

Accounting

ACCT 2101 - Accounting Principles I

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Accounting

A study of the underlying theory and application of financial accounting concepts. (3-0-3) May not be enrolled in one of the following Class(es): Freshman.

Prerequisites:

(MATH 1111 Minimum Grade: C or MTH 110 Minimum Grade: C or (MTH 108 Minimum Grade: C and MTH 109 Minimum Grade: C) or MATH 1113 Minimum Grade: C or MATH 1101 Minimum Grade: C or MATH 1120 Minimum Grade: C or MATH 1401 Minimum Grade: C

ACCT 2102 - Accounting Principles II

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Accounting

A study of the underlying theory and application of managerial accounting concepts. (3-0-3)

Prerequisites:

(ACCT 2101 Minimum Grade: C or ACT 205 Minimum Grade: C)

ACCT 3250 - Intermediate Accounting I

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Accounting

Accounting theory and practice related to preparation and presentation of corporate financial statements in accordance with GAAP. Emphasis on acquisition of assets and services. (3-0-3) May not be enrolled in one of the following Class(es): Freshman.

Prerequisites:

(ACCT 2101 Minimum Grade: C or ACT 205 Minimum Grade: C) and (ACCT 2102 Minimum Grade: C or ACT 206 Minimum Grade: C) or (ACT 327 Minimum Grade: C)

ACCT 3260 - Intermediate Accounting II

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Accounting

Accounting theory and practice related to preparation and presentation of corporate financial statements in accordance with GAAP. Continuation of ACCT 3250 with emphasis on fixed assets, liabilities, stockholders' equity and investments. (3-0-3) May not be enrolled in one of the following Class(es): Freshman.

Prerequisites:

(ACCT 3250 Minimum Grade: C or ACT 310 Minimum Grade: C)

ACCT 3270 - Intermediate Accounting III

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Accounting

Continuation of ACCT 3260 with emphasis on special issues related to income measurement, asset and liability valuation and recent developments in the accounting profession. (3-0-3) May not be enrolled in one of the following Class(es): Freshman.

Prerequisites:

(ACCT 3250 Minimum Grade: C or ACT 310 Minimum Grade: C)

ACCT 3280 - Cost Accounting

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Accounting

The basic theory and practice related to determination of cost of products and services provided by a business and providing accounting information to management. (3-0-3) May not be enrolled in one of the following Class(es): Freshman.

Prerequisites:

(ACCT 2102 Minimum Grade: C or ACT 327 Minimum Grade: C or ACT 206 Minimum Grade: C)

ACCT 3280H - Cost Accounting-Honors

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Accounting

The basic theory and practice related to determination of cost of products and services provided by a business and providing accounting information to management. (3-0-3) May not be enrolled in one of the following Class(es): Freshman. Honors Section

Prerequisites:

ACCT 2102 Minimum Grade: C or ACCT 327 Minimum Grade: C or ACT 206 Minimum Grade: C

ACCT 4210 - Accounting Systems

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Accounting

Covers the theory and design of automated procedures of accumulation and reporting information with special emphasis on internal control. (3-0-3) May not be enrolled in one of the following Class(es): Freshman.

Prerequisites:

(ACCT 2102 Minimum Grade: C or ACT 327 Minimum Grade: C or ACT 206 Minimum Grade: C)

ACCT 4210H - Accounting Systems Honors

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Accounting

See course description for ACCT 4210. This section is for students participating in the GSW Honors Program.

ACCT 4230 - Income Tax Accounting

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Accounting

An introduction to the income tax laws with emphasis on taxation of individuals. (3-0-3) May not be enrolled in one of the following Class(es): Freshman.

Prerequisites:

(ACCT 2102 Minimum Grade: C or ACT 327 Minimum Grade: C or ACT 206 Minimum Grade: C)

ACCT 4235 - Advanced Income Tax Accounting

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Accounting

A continuation of ACCT 4230 with emphasis on taxation of property transactions and business organizations, particularly corporations, partnerships and S-corporations. (3-0-3) May not be enrolled in one of the following Class(es): Freshman.

Prerequisites:

ACCT 4230 Minimum Grade: C

ACCT 4240 - Not-for-Profit Accounting

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Accounting

Accounting theory and practice related to non-business organizations, governments and other non-profit organizations. (3-0-3) May not be enrolled in one of the following Class(es): Freshman.

Prerequisites:

(ACCT 3250 or ACCT 3250 Minimum Grade: C) or ACT 310 Minimum Grade: C

ACCT 4240H - Not-for-Profit Accounting Hnrs**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Accounting

See course description for ACCT 4240. This section is for students participating in the GSW Honors Program.

ACCT 4250 - Adv Cost Accounting**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Accounting

Advanced Cost Accounting topics include: budgeting (both static and flexible), strategic pricing and cost measurement, strategic performance measurement, service and split-off cost allocation, responsibility accounting, and measuring and assigning costs for Income Statements. (3-0-3) May not be enrolled in one of the following Class(es): Freshman.

Prerequisites:

(ACCT 3280 Minimum Grade: C or ACT 315 Minimum Grade: C)

ACCT 4280 - Contemp Issues in Accounting**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Accounting

Study of accounting history, accounting theory, accounting institutions and contemporary issues in accounting. (3-0-3) May not be enrolled in one of the following Class(es): Freshman.

Prerequisites:

(ACCT 3260 Minimum Grade: C or ACT 311 Minimum Grade: C or ACCT 3270 Minimum Grade: C or ACT 312 Minimum Grade: C)

ACCT 4290 - Internal Controls and Auditing**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Accounting

A study of systems of internal accounting control in organizations, their design and evaluation, and an introduction to the basic principles and techniques of auditing. (3-0-3) May not be enrolled in one of the following Class(es): Freshman.

Prerequisites:

(ACCT 3260 Minimum Grade: C or ACT 311 Minimum Grade: C or ACCT 3270 Minimum Grade: C or ACT 312 Minimum Grade: C)

ACCT 4390 - Accounting Internship**Credits:** 3.00**Lecture:****College:** College of Business & Comp**Department:** Accounting

Professional accounting experience obtained by employment with a public accounting firm, a business, or other organization while under the supervision of a partner, manager, or other office of the sponsoring organization. Permission of the Dean required. (0-10-3)

Prerequisites:

ACCT 3250 Minimum Grade: C or ACT 310 Minimum Grade: C

Academic Skills**ACSK 1100 - Academic Skills****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Learning Support Programs

An academic assistance course designed to help students develop and strengthen essential study skills necessary for college survival. (3-0-3)

Art History

ARHS 3080 - Asian Art History

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Visual Arts

The purpose of this course is to provide a basic foundation in Asian art, religion and culture. The course will emphasize the art produced in China, Japan, and Korea. (3-0-3)

ARHS 3080S - Asian Art History-Study Abroad

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Visual Arts

The purpose of this course is to provide a basic foundation in Asian art, religion and culture. The course will emphasize the art produced in China, Japan, and Korea. No prerequisite. 3 semester hours. Offered Fall Semester. May be taken as an elective. (3-0-3)

ARHS 3085 - Survey of Non-Western Art Hist

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Visual Arts

This course is an introduction to the Art of Africa, Oceania and the Americas. This illustrated lecture course will place art and art making practices within the context of the beliefs and social practices of these regions. (3-0-3)

ARHS 3090 - Pre-Columbian-Mex-Meso Art

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Visual Arts

The purpose of this course is to provide a foundation of Pre-Columbia Art, indigenous religions, cultures, Hieroglyphic writing and mathematics. Course covers prehistoric 5,000 BC to the conquest. (3-0-3)

ARHS 3090H - Pre-Columbian-Meso Art- Hnr

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Visual Arts

The purpose of this course is to provide a foundation of Pre-Columbian art, indigenous religions, cultures, hieroglyphic writing, and mathematics. Course covers prehistoric 5,000 BC to the conquest. This section is for students participating in the GSW Honors Program. (3-0-3)

ARHS 4001 - History of Modern Art

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Visual Arts

This illustrated lecture course will cover the history of European and American art through the development of Modernism (1848-1950). (3-0-3)

Prerequisites:

ARTF 2072 Minimum Grade: C

ARHS 4001H - Honors History of Modern Art

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Visual Arts

This illustrated lecture course will cover the history of European and American art through the development of Modernism (1848-1950). This section is for students participating in the GSW Honors Program. (3-0-3)

Prerequisites:

ARTF 2072 Minimum Grade: C

ARHS 4012 - History of Contemporary Art**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Visual Arts

This illustrated lecture course will cover the history of contemporary European and American art (1950-present). (3-0-3)

ARHS 4012H - Contemporary Art Honors**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Visual Arts

A history of 20th-century European and American art. See ARHS 4012. This section is for students participating in the GSW honors program. (3-0-3)

Prerequisites:

ARHS 2072

ARHS 4090 - Directed Study**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Visual Arts

This course is an independent study in Art History, Art Criticism, or Philosophies of art. Must have permission of supervising instructor. May be taken 3 times for credit. (3-0-3)

ARHS 4090H - Directed Study- Hnr**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Visual Arts

Independent study in art history or art criticism. May be repeated twice. This section is for students participating in the GSW Honors Program. (3-0-3)

Art Studio**ARST 3001 - Beginning Glassblowing I****Credits:** 3.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** Visual Arts

This course introduces students to basic skills, techniques and processes of glass as a transparent to semi-opaque, fluid, hot, expressive medium. Open to majors and non-art majors. The course may be taken as an elective by non-art majors. ARTF 1030-3D Design/Tools is suggested. (3-0-3)

ARST 3012 - Intermediate Glass Blowing II**Credits:** 3.00**Lecture:****College:** College of Arts and Sciences**Department:** Visual Arts

This course is an intermediate study of traditional and experimental skills, techniques, and concepts in hot glass designed to the needs of individual students. (1-5-3)

Prerequisites:

ARST 3001 Minimum Grade: C

ARST 3012H - Inter Glass Blowing II-HNRS**Credits:** 3.00**Lecture:****College:** College of Arts and Sciences**Department:** Visual Arts

This course is an intermediate study of traditional and experimental skills, techniques, and concepts in hot glass designed to the needs of individual students. This section is for students participating in the GSW Honors Program. (1-5-3)

Prerequisites:

ARST 3001 Minimum Grade: C

ARST 3021 - Adv Drawing I**Credits:** 3.00**Lecture:****College:** College of Arts and Sciences**Department:** Visual Arts

This course emphasizes for advanced drawing students individualized concept development through the use of traditional and experimental drawing methods and materials. May be taken 3 times for credit. (3-0-3)

Prerequisites:

ARTF 1010 Minimum Grade: C and ARTF 1011 Minimum Grade: C

ARST 3031 - Beg Printmaking I**Credits:** 3.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** Visual Arts

This course is primarily concerned with aiding students in making art products by existing reproductive processes. It will: (a) demonstrate and introduce the methods of printing, students, (b) offer students the opportunity to practice the methods of printing, (c) assist the students in evaluating their performance as regards process and product. (1-5-3)

ARST 3031H - Beg Printmaking I Honors**Credits:** 3.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** Visual Arts**ARST 3042 - Intermediate Printmaking II****Credits:** 3.00**Lecture:****College:** College of Arts and Sciences**Department:** Visual Arts

These courses are primarily concerned with advancing the student's mastery of printmaking and establishing a personal style in the production of the making of prints. All courses are designed for the individual student and his/her interest in printmaking. (0-6-3)

Prerequisites:

ARST 3031 Minimum Grade: C

ARST 3071 - Beg Sculpture I**Credits:** 3.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** Visual Arts

This course will expose the student to a wide variety of sculptural concepts and teach analysis and solution to sculptural problems. (1-5-3)

Prerequisites:

ARTF 1030 Minimum Grade: C

ARST 3081 - Beginning Photography I**Credits:** 3.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** Visual Arts

This course covers basic black and white photography. It is for the student who has never been exposed to photography. The student must have a functional 35 mm camera with manual controls of the aperture shutter to be able to control camera. (1-5-3)

ARST 3081H - Beg Photography I-Hnr

Credits: 3.00

Lecture: 1.00

College: College of Arts and Sciences

Department: Visual Arts

This course covers basic black and white photography. It is for the student who has never been exposed to photography. The student must have a functional 35 mm camera with manual controls of the aperture shutter to be able to control the camera. This section is for students participating in the GSW Honors Program. (1-5-3)

ARST 3082 - Intermediate Sculpture II

Credits: 3.00

Lecture:

College: College of Arts and Sciences

Department: Visual Arts

A second studio course in sculpture. (0-6-3)

Prerequisites:

ARST 3071 Minimum Grade: C

ARST 3092 - Intermediate Photo II

Credits: 3.00

Lecture:

College: College of Arts and Sciences

Department: Visual Arts

This course is designed to provide the photography student an opportunity to explore black and white analog photography beyond the basics and into the intermediate level. It also introduces various formats, alternative processes, and other mediums including digital photography. (0-6-3)

Prerequisites:

ARST 3081 Minimum Grade: C

ARST 3092H - Intermediate Photo II

Credits: 3.00

Lecture:

College: College of Arts and Sciences

Department: Visual Arts

This course is designed to provide the photography student an opportunity to explore black and white analog photography beyond the basics and into the intermediate level. It also introduces various formats, alternative processes, and other mediums including digital photography. This section is for students participating in the GSW Honors Program. (0-6-3)

ARST 3141 - Beginning Ceramics I

Credits: 3.00

Lecture: 1.00

College: College of Arts and Sciences

Department: Visual Arts

The course is designed to teach basic techniques for the studio artist and school teacher in the areas of hand-building and wheel-throwing shape with clay. The course may be used as an elective by non-art majors. (1-5-3)

ARST 3141H - Ceramics I Beginning - Honors

Credits: 3.00

Lecture: 1.00

College: College of Arts and Sciences

Department: Visual Arts

See course description for ARST 3141. This section is for students participating in the GSW Honors Program. (1-5-3)

ARST 3152 - Ceramics II, Intermediate

Credits: 3.00

Lecture:

College: College of Arts and Sciences

Department: Visual Arts

This course is intermediate study in ceramic design and technology, throwing and/or hand building, concentrated study in controlling clay, and glaze behavior. (0-3-3)

Prerequisites:

ARST 3141 Minimum Grade: C

ARST 3170 - Beginning Digital Arts I

Credits: 3.00

Lecture: 1.00

College: College of Arts and Sciences

Department: Visual Arts

This course is an introductory course in digital art and video as art. It presupposes no prior experience and does not have any prerequisites. This course introduces students to the use of digital technology in art practice. The basics of digital imaging and processing for print, sound, and video are explored. Students learn the fundamentals of working with current editing software, color management, correction, resolution, scanning, printing, as well as current video software and the use of digital video equipment. This course will introduce current graphic and video industry standard and from the perspective of using this medium to create conceptually driven fine art. (1-5-3)

ARST 3241 - Beg Painting I

Credits: 3.00

Lecture: 1.00

College: College of Arts and Sciences

Department: Visual Arts

An introduction to painting. (1-5-3)

Prerequisites:

ARTF 1010 Minimum Grade: C or ARTF 1011 Minimum Grade: C

ARST 3252 - Intermediate Painting II

Credits: 3.00

Lecture:

College: College of Arts and Sciences

Department: Visual Arts

It is the purpose of these advanced courses to provide the advanced student of painting with instruction and time to develop personal conceptual direction using painting and multimedia techniques. Two main emphasis will be stressed: A) Further experimentation with oils as well as possible introduction to acrylics; experimentation with combining painting, drawing, collage, etc.; and methods and materials to enhance individual ideas and communicative impact. B) Development of personal concept. (0-6-3)

Prerequisites:

ARST 3241 Minimum Grade: C

ARST 4003 - Photo Communications III

Credits: 3.00

Lecture:

College: College of Arts and Sciences

Department: Visual Arts

This course is for people who have mastered basic analog and digital photographic techniques. It is designed to introduce students to more experimental methods for visual and photographic communication to stimulate their creativity. (0-6-3)

Prerequisites:

ARST 3092 Minimum Grade: C

ARST 4004 - Advanced Sculpture IV

Credits: 3.00

Lecture:

College: College of Arts and Sciences

Department: Visual Arts

Glass blowing, ceramics and sculpture are basically all sculpture courses, only specializing in a particular material; therefore any course beyond the first course must be designed for each individual student. (0-6-3)

Prerequisites:

ARST 4093 Minimum Grade: C

ARST 4010A - Senior Exhibition - Thesis

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Visual Arts

This course represents the capstone project for all BFA and BA graduating seniors. (0-1-1)

ARST 4014 - Photographic Illustration IV

Credits: 3.00

Lecture:

College: College of Arts and Sciences

Department: Visual Arts

This course is for people who have mastered basic analog and digital photographic techniques. It is designed to introduce students to more experimental methods for visual and photographic communication to stimulate their creativity. (0-6-3)

Prerequisites:

ARST 4003 Minimum Grade: C

ARST 4020 - Seminar Study

Credits: 2.00 TO 4.00

Lecture:

College: College of Arts and Sciences

Department: Visual Arts

This course covers students learning to create professional portfolios and packets. It is part of the capstone project for all BFA and BA graduating seniors. (0-2-2)

ARST 4023 - Adv Glass Blowing III

Credits: 3.00

Lecture:

College: College of Arts and Sciences

Department: Visual Arts

Glass Blowing and ceramics are basically sculpture courses, only specializing in a particular material; therefore any course beyond the first course must be designed for the individual student. In the area of three-dimensional art every technique will tend to generate shapes of a particular kind, which in turn will tend to fit particular concepts. Therefore when designing a course for a student, the important thing is to establish a balance between time spent working on pure technique and time spent working on concepts as it may relate to technique. (0-6-3)

Prerequisites:

ARST 3012 Minimum Grade: C

ARST 4023H - Adv Glass Blowing III Honors

Credits: 3.00

Lecture:

College: College of Arts and Sciences

Department: Visual Arts

See course description for ARST 4023. This section is for students participating in the GSW Honors Program. (0-6-3)

ARST 4025 - Photography V

Credits: 3.00

Lecture:

College: College of Arts and Sciences

Department: Visual Arts

The course is designed to allow the advanced photography student to use all their knowledge experience to create a portfolio of quality photographs which will enable them to present a senior exhibition of photography and have their portfolio ready to present to prospective employers for employment or graduate school. (0-6-3)

Prerequisites:

ARST 4014 Minimum Grade: C

ARST 4032 - Advanced Drawing II

Credits: 3.00

Lecture:

College: College of Arts and Sciences

Department: Visual Arts

Prerequisites:

ARST 2032 Minimum Grade: C

ARST 4034 - Adv Glass Blowing IV

Credits: 3.00

Lecture:

College: College of Arts and Sciences

Department: Visual Arts

Glass Blowing and ceramics are basically sculpture courses, only specializing in a particular material; therefore any course beyond the first course must be designed for the individual student. In the area of three-dimensional art, every technique will tend to generate shapes of a particular kind, which in turn will tend to fit particular concepts. Therefore when designing course for a student, the important thing is to establish a balance between time spent working on pure technique and time spent working on concept as it may relate to technique. (0-6-3) . . .

Prerequisites:

ARST 4023 Minimum Grade: C

ARST 4053 - Adv Printmaking III

Credits: 3.00

Lecture:

College: College of Arts and Sciences

Department: Visual Arts

Prerequisites:

ARST 3042 Minimum Grade: C

ARST 4064 - Adv Printmaking IV

Credits: 3.00

Lecture:

College: College of Arts and Sciences

Department: Visual Arts

These courses are primarily concerned with advancing the student's mastery of printmaking and establishing a personal style in the production of making prints. All courses are designed for the individual student and his/her interest in printmaking. (0-6-3)

Prerequisites:

ARST 4053 Minimum Grade: C

ARST 4093 - Adv Sculpture III

Credits: 3.00

Lecture:

College: College of Arts and Sciences

Department: Visual Arts

Glass blowing, ceramics and sculpture are basically all sculpture courses, only specializing in a particular material; therefore any course beyond the first course must be designed for each individual student. (0-6-3)

Prerequisites:

ARST 3082 Minimum Grade: C

ARST 4163 - Ceramics III Advanced

Credits: 3.00

Lecture:

College: College of Arts and Sciences

Department: Visual Arts

This course is advanced study in ceramic design and technology, throwing and/or hand building, concentrated study in controlling clay, and glaze behavior. (0-3-3)

Prerequisites:

ARST 3152 Minimum Grade: C

ARST 4170 - Intermediate Digital Arts II

Credits: 3.00

Lecture: 1.00

College: College of Arts and Sciences

Department: Visual Arts

This course is an intermediate course in digital art and video as art. This course furthers the students' knowledge of and abilities to use digital technology in an art practice. More complicated techniques in digital photography, digital imaging, sound, and video are explored. This course also surveys a range of approach from gallery installation, non-linear editing, documentary and fundamentals of timing and movement, in addition to the relationship between sound and image and digital video imaging and editing. (1-5-3)

Prerequisites:

ARST 3170 Minimum Grade: C and ARTF 1020 Minimum Grade: C

ARST 4171 - Advanced Digital Arts III

Credits: 3.00

Lecture: 1.00

College: College of Arts and Sciences

Department: Visual Arts

This course is an advanced course in digital art and video as art. It functions primarily as the beginnings of portfolio development for the Digital Arts concentration majors / minors. This course furthers the students' knowledge of and abilities in digital technology as an art practice. Advanced techniques in digital photography, digital imaging, sound, and video are explored. Digitally based gallery installation is further expanded. This course also examines current art practice in light of new media critical theory. (1-5-3)

Prerequisites:

ARST 3170 Minimum Grade: C and ARTF 1020 Minimum Grade: C and ARST 4170 Minimum Grade: C

ARST 4172 - Advanced Digital Arts IV

Credits: 3.00

Lecture: 1.00

College: College of Arts and Sciences

Department: Visual Arts

This course is an advanced course in digital art and video as art. It functions primarily as portfolio development for the Digital Arts students. Digital Arts IV brings together all of the skills and knowledge acquired by the student to this point from prior digital arts course work. Students undergo a more rigorous study of new media history/theory and work to integrate any or all of the computer software tools available toward a final exhibition incorporating video installation, sound installation, digital photography, graphics, sound art, video, etc. (1-5-3)

Prerequisites:

ARST 3170 Minimum Grade: C and ARST 4170 Minimum Grade: C and ARST 4171 Minimum Grade: C and ARTF 1020 Minimum Grade: C

ARST 4174 - Ceramics IV Advanced

Credits: 3.00

Lecture:

College: College of Arts and Sciences

Department: Visual Arts

The course is advanced study in ceramic design and technology, throwing and/or hand building, concentrated study in controlling clay, and glaze behavior. (0-3-3)

Prerequisites:

ARST 4163 Minimum Grade: C

ARST 4263 - Advanced Painting III

Credits: 3.00

Lecture:

College: College of Arts and Sciences

Department: Visual Arts

It is the purpose of these advanced courses to provide the advanced student of painting with instruction and time to develop personal conceptual direction using painting and multimedia techniques. Two main emphasis will be stressed: A) Further experimentation with oils as well as possible introduction to acrylics; experimentation with combining painting, drawing, collage, etc.; and methods and materials to enhance individual ideas and communicative impact. B) Development of personal concept. (0-6-3)

Prerequisites:

ARST 3252 Minimum Grade: C

ARST 4274 - Advanced Painting IV

Credits: 3.00

Lecture:

College: College of Arts and Sciences

Department: Visual Arts

It is the purpose of these advanced student of painting with instruction and time to develop personal conceptual direction using painting and multimedia techniques. Two main emphases will be stressed: A) Further experimentation with oils as well as possible introduction to acrylics; experimentation with combining painting, drawing, collage, etc.; and methods and materials to enhance individual ideas and communicative impact. B) Development of personal concept. (0-6-3)

Prerequisites:

ARST 4263 Minimum Grade: C

Art Appreciation

ARTC 1100 - Art Appreciation

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Visual Arts

This illustrated lecture course deals with ideas and images that introduce basic art theory, art practice, and art history. The student will explore the concept "art"; media and methods used by artists; and analyze compositional elements and design principles employed by artists in the creation of their work. (3-0-3)

ARTC 1100H - Art Appreciation-Hnr

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Visual Arts

See course description for ARTC 1100. This section is for students participating in the GSW Honors Program. (3-0-3)

ARTC 1100S - Art Apprec-Study Abroad

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Visual Arts

See course description for ARTC 1100. This course occurs in a study-abroad context. (3-0-3)

Art Area F

ARTF 1010 - Beg Drawing I

Credits: 3.00

Lecture:

College: College of Arts and Sciences

Department: Visual Arts

This course provides the beginning student with instruction in basic skills, techniques, materials necessary for a fundamental experience in beginning drawing, and initiates the construction of imaginative conceptual exploration at the introductory level. (0-6-3)

ARTF 1011 - Beg Drawing II-Figure

Credits: 3.00

Lecture:

College: College of Arts and Sciences

Department: Visual Arts

This course provides the beginning student with instruction in basic skills, techniques, materials necessary for a fundamental experience in beginning figure drawing, and also initiates construction of imaginative conceptual exploration at the introductory level. (0-6-3)

ARTF 1020 - 2D Design Concepts and Color

Credits: 3.00

Lecture:

College: College of Arts and Sciences

Department: Visual Arts

This course explores the fundamentals of design and color theory, ideas, and concepts as they relate to the producing of art. (0-6-3)

ARTF 1020H - 2D Design Concepts & Color-Hnr**Credits:** 3.00**Lecture:****College:** College of Arts and Sciences**Department:** Visual Arts

This course explores the fundamentals of design and color theory, ideas, and concepts as they relate to the producing of art. This section is for students participating in the GSW Honors Program. (0-6-3)

ARTF 1030 - Three Dimen Design and Tools**Credits:** 3.00**Lecture:****College:** College of Arts and Sciences**Department:** Visual Arts

An introduction to the basic principles of three-dimensional design as they apply to functional and non-functional art forms. This course provides the student with practical knowledge of hand tools, power tools, and welding equipment. (0-6-3)

ARTF 2061 - Art History Survey I**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Visual Arts

This illustrated lecture course deals with ideas and images that introduce art theory, art practice and art history. The student will explore the concept "art"; media and methods used by artists; how to analyze a work of art. The course will cover material from the first half of the history of Western art. (3-0-3)

ARTF 2072 - Art History Survey II**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Visual Arts

This illustrated lecture course deals with ideas and images that introduce art theory, art practice, and art history. The student will explore the concept "art"; media and methods used by artists; how to analyze a work of art. The course will cover material from the second half of Western art through the 20th century. (3-0-3)

ARTF 2072H - Art History Survey II-Hnr**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Visual Arts

See the course description for ARTF 2072. This section is for students participating in the GSW Honors Program. (3-0-3)

Art Seminar Study**ARTS 1100 - eCore Art Appreciation****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Visual Arts

A course focused on fostering an awareness, understanding, and appreciation for the visual arts. Through exposure to cross-cultural art images throughout history, students will build a global artistic vocabulary that allows for the constructive analysis of art objects. Students will also gain an understanding of the influence of art on other important aspects of culture including politics, history, religion, and science. 3-0-3 For additional course information, visit <http://ecore.usg.edu/courses/description.php>

Prerequisites:**ARTS 2000 - Wmn, Gndr, & Sexuality in Photo****Credits:** 3.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** Visual Arts

This course provides the student with instruction in basic photography skills, techniques, and materials necessary for a fundamental experience in photography (both traditional analog and digital) and also initiates construction of imaginative conceptual exploration of feminist topics, both at the beginning level. (1-5-3)

ARTS 3102 - Ethics of Intl Photography

Credits: 3.00

Lecture: 1.00

College: College of Arts and Sciences

Department: Visual Arts

This course is an introductory study of ethical issues regarding photography (both digital and film). It is a studio course with no prerequisites that can be taken as an elective. Students will be instructed on basic photography and digital editing techniques producing a photographic series in collaboration with students indigenous to the country. (1-5-3)

ARTS 4010 - Senior Exhibition

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Visual Arts

Preparation of a senior exhibit and the writing of a senior thesis. (0-2-1)

Art

ARTX 3020 - Jewelry and Metals

Credits: 3.00

Lecture: 1.00

College: College of Arts and Sciences

Department: Visual Arts

(1-5-3)

ARTX 4055 - Directed Study - Digital Arts

Credits: 2.00

Lecture:

College: College of Arts and Sciences

Department: Visual Arts

This is a directed study program of student designed by instructor and student to address the needs of the student's current art practice in the program. The course involves intensive research and a high volume of work from the student. Any or all of the computer software tools available are used towards a final body of work/exhibit for the completion of the senior exhibition/thesis. (0-6-2)

Prerequisites:

ARTF 1020 Minimum Grade: C and ARST 3170 Minimum Grade: C and ARST 4170 Minimum Grade: C and ARST 4171 Minimum Grade: C

ARTX 4060 - Senior Seminar

Credits: 2.00

Lecture: 2.00

College: College of Arts and Sciences

Department: Visual Arts

(2-0-2)

ARTX 4065 - Directed Study-Digital Arts

Credits: 3.00

Lecture: 0.00

College: College of Arts and Sciences

Department: Visual Arts

This is a directed study program designed by instructor and student to address the needs of the individual student's current art practice in the program. The course involves intensive research and a high volume of work from the student. Any or all of the computer software tools available are used towards a final body of work/exhibit for the completion of senior exhibition/thesis. (0-6-3)

Prerequisites:

ARTF 1020 Minimum Grade: C and ARST 4170 Minimum Grade: C and ARST 4171 Minimum Grade: C and ARST 3170 Minimum Grade: C

ARTX 4065S - Direct Study-Digitl Arts-StuAbr**Credits:** 3.00**Lecture:** 0.00**College:** College of Arts and Sciences**Department:** Visual Arts

This is a directed study program designed by instructor and student to address the needs of the individual student's current art practice in the program. The course involves intensive research and a high volume of work from the student. Any or all of the computer software tools available are used towards a final body of work/exhibit for the completion of senior exhibition/thesis. (0-6-3) Study Abroad Section

Prerequisites:

ARTF 1020 Minimum Grade: C and ARST 4170 Minimum Grade: C and ARST 4171 Minimum Grade: C and ARST 3170 Minimum Grade: C

ARTX 4071 - Drawing and Painting**Credits:** 2.00**Lecture:****College:** College of Arts and Sciences**Department:** Visual Arts

These courses are independent study courses in studio art disciplines. It implies a degree of maturity, self-reliance, imagination, and technical competence for the student to complete his/her study. (0-4-2)

Prerequisites:

ARST 3241 Minimum Grade: C

ARTX 4072 - Ceramics**Credits:** 2.00**Lecture:****College:** College of Arts and Sciences**Department:** Visual Arts

(0-4-2)

Prerequisites:

ARST 3141 Minimum Grade: C

ARTX 4073 - Glassblowing**Credits:** 2.00**Lecture:****College:** College of Arts and Sciences**Department:** Visual Arts

(0-4-2)

Prerequisites:

ARST 3001 Minimum Grade: C

ARTX 4074 - Sculpture**Credits:** 2.00**Lecture:****College:** College of Arts and Sciences**Department:** Visual Arts

(0-4-3)

Prerequisites:

ARST 3071 Minimum Grade: C

ARTX 4075 - Printmaking**Credits:** 2.00**Lecture:****College:** College of Arts and Sciences**Department:** Visual Arts

(0-4-2)

Prerequisites:

ARST 3031 Minimum Grade: C

ARTX 4076 - Photography**Credits:** 2.00**Lecture:****College:** College of Arts and Sciences**Department:** Visual Arts

(0-4-2)

Prerequisites:

ARST 3092 Minimum Grade: C and ARST 3081 Minimum Grade: C

ARTX 4081 - Drawing and Painting**Credits:** 3.00**Lecture:****College:** College of Arts and Sciences**Department:** Visual Arts

(0-6-3)

Prerequisites:

ARST 3241 Minimum Grade: C

ARTX 4081S - Drawing and Painting-Study Abr**Credits:** 3.00**Lecture:****College:** College of Arts and Sciences**Department:** Visual Arts

(0-6-3) Study Abroad Section

Prerequisites:

ARST 3241 Minimum Grade: C

ARTX 4082 - Ceramics**Credits:** 3.00**Lecture:****College:** College of Arts and Sciences**Department:** Visual Arts

(0-6-3)

Prerequisites:

ARST 3141 Minimum Grade: C

ARTX 4083 - Glassblowing**Credits:** 3.00**Lecture:****College:** College of Arts and Sciences**Department:** Visual Arts

(0-6-3)

Prerequisites:

ARST 3001 Minimum Grade: C

ARTX 4084 - Sculpture**Credits:** 3.00**Lecture:****College:** College of Arts and Sciences**Department:** Visual Arts

(0-6-3)

Prerequisites:

ARST 3071 Minimum Grade: C

ARTX 4085 - Printmaking**Credits:** 3.00**Lecture:****College:** College of Arts and Sciences**Department:** Visual Arts

(0-6-3)

Prerequisites:

ARST 3031 Minimum Grade: C

ARTX 4086 - Photography**Credits:** 3.00**Lecture:****College:** College of Arts and Sciences**Department:** Visual Arts

(0-6-3)

Prerequisites:

ARST 3092 Minimum Grade: C and ARST 3081 Minimum Grade: C

Biology**BIOL 1011K - eCore Introduction to Biology****Credits:** 4.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Biology Department

An introduction to fundamental unifying principles in biology. Topics covered in the course include: chemistry of life, cell structure and membranes, cellular functions (metabolism, respiration, photosynthesis, communication and reproduction), genetics (inheritance patterns, DNA structure and function, gene expression, and biotechnology), and evolution. This course involves both lecture and lab components. For additional course information, visit <http://ecore.usg.edu/courses/description.php> (3-2-4)

Prerequisites:**BIOL 1012K - eCore Intro to Biology II****Credits:** 4.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Biology Department**BIOL 1107 - Essentials of Biology I****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Biology Department

A survey of the essentials of modern biology designed for non-science majors. Content includes scientific method, cell structure and function, respiration and photosynthesis, gene structure and function, genetics, and evolution. (3-0-3) NOTE: The course satisfies Core Area D non-laboratory science option only, unless taken concurrently with BIOL 1107L, Essentials of Biology I Laboratory. Corequisite of BIOL 1107R.

BIOL 1107H - Essentials of Biology-Honors**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Biology Department

A survey of the essentials of modern biology designed for non-science majors. Content includes scientific method, cell structure and function, respiration and photosynthesis, gene structure and function, genetics, and evolution. (3-0-3) NOTE: The course satisfies Core Area D non-laboratory science option only, unless taken concurrently with BIOL 1107L, Essentials of Biology I Laboratory. This is for students participating in the GSW Honors Program. (3-0-3) Corequisite of BIOL 1107R.

Corequisites:

BIOL 1107R

BIOL 1107L - Essentials of Biology I Lab**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Biology Department

An introduction to the principles of biology through experiment and demonstration. Requires simultaneous enrollment in (or previous successful completion of) BIOL 1107. (0-2-1)

Prerequisites:

(BIOL 1107 or BIOL 1107 Minimum Grade: D)

BIOL 1107R - Bio Critical Thinking Session

Credits: 0.00

Lecture: 1.00

College: College of Arts and Sciences

Department: Biology Department

A critical thinking and problem solving laboratory to help students understand and to reinforce concepts and principles presented in BIOL 1107 lecture. This course is a co-requisite for BIOL 1107 - Essentials of Biology I.

BIOL 1108 - Essentials of Biology II

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Biology Department

BIOL 1108 - Essentials of Biology II. The second term of a sequenced survey of the essentials of modern biology intended for non-science majors. Content includes diversity of living things with evolution connections, plant and animal systems, and ecology. No prerequisites but BIOL 1107 strongly recommended. (3-0-3) NOTE: The course satisfies Core Area D non-laboratory science option only, unless taken concurrently with BIOL 1108L, Essentials of Biology II Laboratory.

BIOL 1108H - Essentials of Biology II-Honor

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Biology Department

BIOL 1108H - Essentials of Biology II Honors. The second term of a sequenced survey of the essentials of modern biology intended for non-science majors. Content includes diversity of living things with evolution connections, plant and animal systems, and ecology. No prerequisites, but BIOL 1107 strongly recommended. (3-0-3) NOTE: This course satisfies Core Area D non-laboratory science option only, unless taken concurrently with BIOL 1108L, Essentials of Biology II laboratory. This section is for students participating in the GSW Honors Program.

BIOL 1108L - Essentials of Biology II Lab

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Biology Department

BIOL 1108L - Essentials of Biology II Lab. An introduction to the essentials of modern biology through experiment and demonstration. Requires simultaneous enrollment in (or previous successful completion of) BIOL 1108. (0-2-1) Corequisite of BIOL 1108 or Prerequisite of BIOL 1108, minimum grade D.

Prerequisites:

(BIOL 1108 or BIOL 1108 Minimum Grade: D)

BIOL 1500 - Applied Botany

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Biology Department

This course is designed to provide the non-biology major with an introduction to vascular plant anatomy and basic life processes and with plants of the world that have horticultural interest. The emphasis is on the "why" of gardening techniques rather than "how-to", but the student should acquire much practical information. Two lectures and one demonstration per week. BIOL 1107 or permission of instructor is required. Taught Spring Semester. (3-0-3)

BIOL 1500H - Applied Botany-Honors**Credits:** 3.00**Lecture:** 4.00**College:** College of Arts and Sciences**Department:** Biology Department

This course is designed to provide the non-biology major with an introduction to vascular plant anatomy and basic life processes and with plants of the world that have horticultural interest. The emphasis is on the "why" of gardening techniques rather than "how-to", but the student should acquire much practical information. Two lectures and one demonstration per week. BIOL 1107 or permission of instructor is required. Taught Spring Semester. This section is for students participating in the GSW Honors Program. (3-0-3)

BIOL 2030 - Human Anatomy-Physiology I**Credits:** 4.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Biology Department

A study of the basic components of human anatomy and physiology approached from molecular, cellular, tissue, and system levels. Systems covered in this course include the integumentary, skeletal, muscular, and nervous systems. (3-2-4)

BIOL 2030H - Human Anatomy-Physi I Honors**Credits:** 4.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Biology Department

A study of the basic components of human anatomy and physiology approached from molecular, cellular, tissue, and system levels. Systems covered in this course include the integumentary, skeletal, muscular, and nervous systems. (3-2-4)

BIOL 2040 - Human Anatomy-Physiology II**Credits:** 4.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Biology Department

A study of the basic components of human anatomy and physiology approached from a molecular, cellular, organ, and system levels. Systems covered in this course include the endocrine, circulatory, respiratory, digestive, excretory, and reproductive systems. (3-2-4)

BIOL 2040H - Human A & P II Honors**Credits:** 4.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Biology Department

A study of the basic components of human anatomy and physiology approached from a molecular, cellular, organ, and system levels. Systems covered in this course include the endocrine, circulatory, respiratory, digestive, excretory, and reproductive systems. Honors Section (3-2-4)

BIOL 2050 - Microbiology**Credits:** 4.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Biology Department

A study of elements of microbiology, giving a general knowledge of microorganisms as related to the problems of nursing and health. (3-2-4)

BIOL 2050H - Microbiology - Honors**Credits:** 4.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Biology Department**BIOL 2107 - Principles of Biology I****Credits:** 4.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Biology Department

BIOL 2107 - Principles of Biology I. The first term of a sequenced survey of the principles of modern biology. This course is designed for science majors, and students in preprofessional pathways. Content includes scientific method, biochemistry, cell biology, genetics, and evolution. This course should not be attempted by first term freshmen required to take the Math Lab or corequisite course with MATH 1111 - College Algebra. (It is recommended that they take BIOL 1107 instead.) No prerequisites. (3-3-4)

BIOL 2107H - Principles of Biology I-Honors**Credits:** 4.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Biology Department

BIOL 2107H - Principles of Biology I Honors. The first term of a sequenced survey of the principles of modern biology. This course is designed for science majors and students in preprofessional pathways. Content includes scientific method, biochemistry, cell biology, genetics, and evolution. This course should not be attempted by first term freshmen required to take the Math Lab or a corequisite course with MATH 1111 - College Algebra. (It is recommended that they take BIOL 1107 instead.) No prerequisites. (3-3-4) This section is for students in the GSW Honors Program.

BIOL 2107K - Principles of Biology I**Credits:** 4.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Biology Department

BIOL 2107K - Principles of Biology I. The first term of a a sequenced survey of the principles of modern biology. This course is designed for science majors and students in pre-professional pathways. Content includes scientific method, biochemistry, cell biology, genetics and evolution. This course should not be attempted by first term freshmen required to take the math lab or co-requisite course with MATH 1111- College Algebra. (It is recommended that they take BIOL 1107 instead.) (3-3-4) Co-requisite BIOL 2107R.

Corequisites:

BIOL 2107R

BIOL 2107R - Prin of Biology I Recitation**Credits:** 0.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** Biology Department

BIOL 2107R - Principles of Biology Skill-Building Course. A skill-building session to help students master math and science concepts needed for Principles of Biology. Co-requisite with BIOL 2107K. (1-0-0)

BIOL 2108 - Principles of Biology II**Credits:** 4.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Biology Department

BIOL 2108 - Principles of Biology II. The second term of a sequenced survey of the principles of modern biology. This course is designed for science majors and students in preprofessional pathways. Content includes organismal diversity systems, evolution, and ecology. (3-3-4) Prerequisite of BIOL 2107 (or equivalent).

Prerequisites:

BIOL 2107 Minimum Grade: C or BIOL 2107H Minimum Grade: C

BIOL 2108H - Principles of Biology II-Honor**Credits:** 4.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Biology Department

BIOL 2108H - Principles of Biology II Honors. The second term of a sequenced survey of the principles of modern biology. This course is designed for science majors and students in preprofessional pathways. Content includes organismal diversity and systems, evolution, and ecology. (3-3-4). Prerequisite of BIOL 2107 or equivalent.

NOTE: This section is for students participating in the GSW Honors Program.

Prerequisites:

BIOL 2107H Minimum Grade: C or BIOL 2107 Minimum Grade: C

BIOL 2108K - Principles of Biology II**Credits:** 4.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Biology Department

BIOL 2108 - Principles of Biology II. The second term of a sequenced survey of the principles of modern biology. This course is designed for science majors and students in preprofessional pathways. Content includes organismal diversity systems, evolution, and ecology. (3-3-4) Prerequisite of BIOL 2107 (or equivalent).

Prerequisites:

BIOL 2107K or BIOL 2107

BIOL 3000 - Advanced Botany**Credits:** 3.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Biology Department

An introduction to the anatomy and morphology of organisms traditionally considered plants with an emphasis on how anatomy and morphology reflect the phylogenetic relationships within the Kingdoms Monera, Plantae, and Fungi. (2-2-3)

Prerequisites:

BIOL 2108 Minimum Grade: C or BIOL 2108H Minimum Grade: C

BIOL 3000H - Advanced Botany-Honors**Credits:** 3.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Biology Department

See course description for BIOL 3000. This section is for students participating in the GSW Honors Program. (2-2-3)

Prerequisites:

BIOL 2108 Minimum Grade: C

BIOL 3020 - Comparative Vertebrate Anatomy**Credits:** 4.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Biology Department

A comparative study of the selected systems and body regions of representative vertebrates to provide foundational material in anatomy, evolution, and development. Laboratory emphasis is on the gross anatomy of *Necturus*, *Squalus*, and *Felis domesticus*. (2-4-4)

Prerequisites:

BIOL 2108 or BIOL 2108H

BIOL 3050 - Developmental Biology**Credits:** 3.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Biology Department

Early embryological development of vertebrates and some invertebrates, including a study of germ cells, fertilization, cleavage, differentiation, and the origin of organ systems. Emphasis is on molecular mechanisms controlling key developmental processes. (2-2-3)

Prerequisites:

(BIOL 2108 Minimum Grade: C or BIOL 2108H Minimum Grade: C)

BIOL 3050H - Developmental Biology-Honors

Credits: 3.00

Lecture: 2.00

College: College of Arts and Sciences

Department: Biology Department

Early embryological development of vertebrates and some invertebrates, including a study of germ cells, fertilization, cleavage, differentiation, and the origin of organ systems. Emphasis is on molecular mechanisms controlling key developmental processes. This is for students participating in the GSW Honors Program. (2-2-3)

Prerequisites:

BIOL 2108 Minimum Grade: C or BIOL 2108H Minimum Grade: C

BIOL 3100 - Cell-Molecular Biology

Credits: 3.00

Lecture: 2.00

College: College of Arts and Sciences

Department: Biology Department

A study of the structure and function of cells. General topics include ultrastructure, metabolism, cell cycle, and cell-cell interactions. Throughout the course, special emphasis is placed on current related trends in molecular biology. (2-2-3)

Prerequisites:

BIOL 2108 Minimum Grade: C and CHEM 1212 Minimum Grade: C

BIOL 3100H - Cell-Molecular Bio-Honors

Credits: 3.00

Lecture: 2.00

College: College of Arts and Sciences

Department: Biology Department

A study of the structure and function of cells. General topics include ultrastructure, metabolism, cell cycle, and cell-cell interactions. Throughout the course, special emphasis is placed on current related trends in molecular biology. This section is for students participating in the GSW Honor Program. (2-2-3)

Prerequisites:

(BIOL 2108 Minimum Grade: C or BIOL 2108H Minimum Grade: C) and (CHEM 3301 Minimum Grade: C or CHEM 3301H Minimum Grade: C)

BIOL 3300 - Economic Botany

Credits: 3.00

Lecture: 2.00

College: College of Arts and Sciences

Department: Biology Department

An introduction to the uses of plants and plant products by human beings from prehistory to genetically engineered crops and bioremediation of toxic wastes. Demonstrations provide hands-on experience with topics including plant gums and resins, essential oils, fibers, dyes, spices, and staple plant foods from around the world. (2-3-3)

Prerequisites:

BIOL 2108 Minimum Grade: C or BIOL 2108H Minimum Grade: C

BIOL 3300H - Economic Botany - Honors

Credits: 3.00

Lecture: 2.00

College: College of Arts and Sciences

Department: Biology Department

An introduction to the uses of plants and plant products by human beings from prehistory to genetically engineered crops and bioremediation of toxic wastes. Demonstrations provide hands-on experience with topics including plant gums and resins, essential oils, fibers, dyes, spices, and staple plant foods from around the world. This section is for students participating in the GSW Honors Program. (2-3-3)

Prerequisites:

BIOL 2108 Minimum Grade: C or BIOL 2108H Minimum Grade: C

BIOL 3400 - Bacteriology**Credits:** 3.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Biology Department

A general study of bacteria with an introduction to some fundamental concepts and techniques. (2-2-3)

Prerequisites:

CHEM 3302H or CHEM 3302

BIOL 3400H - Bacteriology - Honors**Credits:** 3.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Biology Department

See course description for BIOL 3400. This section is for students participating in the GSW Honors Program. (2-2-3)

BIOL 3410 - Adv Bacteriology**Credits:** 3.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Biology Department

A further study of basic principles of bacteriology with emphasis on applied bacteriology including environmental, industrial, and medical bacteriology plus principles of immunology. (2-2-3)

Prerequisites:

BIOL 3400 Minimum Grade: C

BIOL 3410H - Adv Bacteriology**Credits:** 3.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Biology Department

A further study of basic principles of bacteriology with emphasis on applied bacteriology including environmental, industrial, and medical bacteriology plus principles of immunology. (2-2-3) Honors Section

Prerequisites:

BIOL 3400 Minimum Grade: C

BIOL 3600 - Entomology**Credits:** 3.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Biology Department

A study of morphology, physiology, and the natural history of the common insects plus techniques of collecting, identifying, and preserving insects. (2-3-3)

Prerequisites:

BIOL 2108 or BIOL 2108H

BIOL 3710 - Field Botany**Credits:** 3.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Biology Department

An introduction to the local flora, particularly of conifers and of flowering plants, with an emphasis on field recognition and the use of keys. (2-3-3)

Prerequisites:

BIOL 2108 Minimum Grade: C or BIOL 2108H Minimum Grade: C

BIOL 3710H - Field Botany-Honors**Credits:** 3.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Biology Department

An introduction to the local flora, particularly of conifers and of flowering plants, with an emphasis on field recognition and the use of keys. This section is for students participating in the GSW Honors Program. (2-3-3)

Prerequisites:

BIOL 2108 Minimum Grade: C or BIOL 2108H Minimum Grade: C

BIOL 4010A - Biology Seminar I

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Biology Department

A course in which the student will propose, develop, and complete a hands-on research project under the supervision of a faculty member within the Department. The culmination of the semester will be the submission of a research paper, suitable for submission for publication. Taught Fall Semester each year. (0-2-1)

BIOL 4010B - Biology Seminar II

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Biology Department

Course which is a continuation of BIOL 4010A. Each student will prepare a summary of, and make an oral presentation on, the research project undertaken in BIOL 4010A. Course is used in Departmental assessment and includes an exit exam and an exit interview. Taught Spring Semester each year; taken senior year. (0-2-1)

BIOL 4050 - Ecology

Credits: 4.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Biology Department

An introduction to the study of ecological principles, including population, community, and ecosystem ecology and conservation biology. (3-3-4)

Prerequisites:

(BIOL 2108 Minimum Grade: C or BIOL 2108H Minimum Grade: C) and (CHEM 1212 Minimum Grade: C or CHEM 1212H Minimum Grade: C)

BIOL 4050H - Ecology-Honors

Credits: 4.00

Lecture: 2.00

College: College of Arts and Sciences

Department: Biology Department

An introduction to the study of ecological principles, including population, community, and ecosystem ecology and conservation biology. This section is for students participating in the GSW Honors Program. (3-3-4)

Prerequisites:

(BIOL 2108 Minimum Grade: C or BIOL 2108H Minimum Grade: C) and (CHEM 1212 Minimum Grade: C or CHEM 1212H Minimum Grade: C)

BIOL 4100 - Biological Resources

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Biology Department

This course is designed to provide upper division students with the computer and research skills necessary to excel professionally in biology and related fields. Topics to be covered include: conducting a productive search of scientific literature, reading and evaluating primary sources, collection and analysis of scientific data, production of professional quality presentations and publication quality tables, graphs, and images. (3-0-3)

BIOL 4200 - Genetics

Credits: 3.00

Lecture: 2.00

College: College of Arts and Sciences

Department: Biology Department

A study of modern genetics including Mendelian, molecular, and population genetic principles. Drosophila genetics will constitute a major portion of lab. (2-3-3)

Prerequisites:

BIOL 2108 Minimum Grade: C or BIOL 2108H Minimum Grade: C

BIOL 4200H - Genetics-Honors

Credits: 3.00

Lecture: 2.00

College: College of Arts and Sciences

Department: Biology Department

A study of modern genetics including Mendelian, molecular, and population genetic principles. *Drosophila* genetics will constitute a major portion of lab. This section is for students in the GSW Honors Program. (2-3-3)

Prerequisites:

BIOL 2108 Minimum Grade: C or BIOL 2108H Minimum Grade: C

BIOL 4300 - Plant Physiology

Credits: 4.00

Lecture: 2.00

College: College of Arts and Sciences

Department: Biology Department

An introduction to the life processes of plants with an emphasis on angiosperms. Topics include water relations, mineral nutrition, control of growth and development, and the biochemistry of photosynthesis with a brief consideration of plant "secondary" metabolism (production of alkaloids, aromatic oils, gums, resins, etc.). (2-4-4)

Prerequisites:

(BIOL 2108 Minimum Grade: C or BIOL 2108H Minimum Grade: C) and CHEM 3302 Minimum Grade: C

BIOL 4350 - Natural History of Vertebrates

Credits: 3.00

Lecture: 2.00

College: College of Arts and Sciences

Department: Biology Department

The classification and natural history of the vertebrates with an emphasis placed on native species. Laboratories involve the identification of native fishes, amphibians, reptiles, and mammals. A representative collection of vertebrates is required. (2-2-3)

Prerequisites:

BIOL 2108 Minimum Grade: C or BIOL 2108H Minimum Grade: C

BIOL 4350H - Nat Hist of Vertebrates-Honors

Credits: 3.00

Lecture: 2.00

College: College of Arts and Sciences

Department: Biology Department

See course description for BIOL 4350. This section is for students participating in the GSW Honors Program. (2-2-3)

BIOL 4400 - Animal Physiology

Credits: 4.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Biology Department

A study of the cellular and systemic functions of animals, with emphasis on the mammal. (3-2-4)

Prerequisites:

(CHEM 3301 Minimum Grade: C or CHEM 3301H Minimum Grade: C) and (BIOL 2108 Minimum Grade: C or BIOL 2108H Minimum Grade: C)

BIOL 4400H - Animal Physiology-Honors

Credits: 4.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Biology Department

A study of the cellular and systemic functions of animals, with emphasis on the mammal. This section is for students participating in the GSW Honors Program. (3-2-4)

Prerequisites:

(BIOL 2108 Minimum Grade: C or BIOL 2108H Minimum Grade: C) and (CHEM 3301 Minimum Grade: C or CHEM 3301H Minimum Grade: C)

BIOL 4441 - Animal Behavior**Credits:** 3.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Biology Department

The study of how animals (primarily vertebrates) behave, including background information on the terminology of the subject and comparisons to psychology and applications to careers like zoo work. Lab work will reinforce lecture (2-2-3). Prerequisites or corequisites: BIOL 2108 or BIOL 2040 with minimum grade of C.

Prerequisites:

BIOL 2108 or BIOL 2040

BIOL 4460 - Parasitology**Credits:** 3.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Biology Department

A study of the biology of parasites of humans and how they interact with their hosts from both a medical and evolutionary perspective. This course will focus on eukaryotic parasites, with an emphasis on understanding parasite anatomy, taxonomy, life history, and transmission routes. Laboratories will focus on parasite identification and body structure. (2-2-3)

Prerequisites:

BIOL 2108 Minimum Grade: C

BIOL 4480 - Ichthyology**Credits:** 3.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Biology Department

The study of the taxonomy, anatomy, ecology, & life history of all species of fishes, with an emphasis on the eastern United States, specifically Georgia. Laboratory & field work involved for observing the behavior, taxonomy, & anatomy these species.

Prerequisites:

BIOL 2108 Minimum Grade: C

BIOL 4480H - Ichthyology-Honors**Credits:** 3.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Biology Department**BIOL 4500 - Aquatic Biology****Credits:** 3.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Biology Department

A laboratory and field course emphasizing the habits and organisms of aquatic environments. Special consideration given to local freshwater invertebrates. Consideration also given to human impact on aquatic systems. (2-3-3)

Prerequisites:

BIOL 2108 or BIOL 2108H

BIOL 4500H - Aquatic Biology-Honors**Credits:** 3.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Biology Department

See course description for BIOL 4500. This section is for students participating in the GSW Honors Program. (2-3-3)

Prerequisites:

(BIOL 2108 Minimum Grade: C or BIOL 2108H Minimum Grade: C) and (CHEM 1212 Minimum Grade: C or CHEM 1212H Minimum Grade: C)

BIOL 4730 - Biology Internship**Credits:** 1.00 TO 3.00**Lecture:****College:** College of Arts and Sciences**Department:** Biology Department

An internship that provides students with field learning experiences in biology-related professions that are generally not attainable in an academic setting. This course is intended for students who have successfully completed a minimum of two 3000- or 4000-level Biology courses. Students register for one of the following options for the term (10- 15-week period). Students will work: (A) a minimum of 75 hours to receive one credit hour, (B) a minimum of 135 hours to receive two credit hours, or (C) a minimum of 195 to receive three credit hours. Permission of instructor or Department Chair required (0-5-1 or 0-9-2 or 0-13-3).

BIOL 4750 - Special Studies**Credits:** 1.00 TO 4.00**Lecture:** 0.00 TO 4.00**College:** College of Arts and Sciences**Department:** Biology Department

Special studies are designed to provide advanced students with an opportunity to expand their content exploration beyond the offered courses of the curriculum. These courses provide students with the potential to: engage in independent investigations, explore new biological concepts, and learn advanced techniques. Credit hours can vary as needed by the course topic/design but will follow this guideline: for each credit hour, one hour of lecture or two hours of lab must be met. (1-0-1 or 0-2-1 or combinations for each credit hour registered)

Prerequisites:

(BIOL 2107K Minimum Grade: C or BIOL 2107 Minimum Grade: C) and (BIOL 2108K Minimum Grade: C or BIOL 2108 Minimum Grade: C)

BIOL 4760 - Special Studies**Credits:** 1.00 TO 4.00**Lecture:** 0.00 TO 4.00**College:** College of Arts and Sciences**Department:** Biology Department

Special studies courses are designed to provide advanced students with an opportunity to expand their content exploration beyond the offered courses of the curriculum. These courses provide students with the potential to: engage in independent investigations, explore new biological concepts, and learn advanced techniques. Credit hours can vary as needed by the course topic/design but will follow this guideline: for each credit hour, one hour lecture or two hours of lab must be met. (1-0-1 or 0-2-1 or combinations for each credit hour registered)

BIOL 4800 - Herpetology**Credits:** 3.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Biology Department

The study of the classification, distribution and life histories of reptiles and amphibians, primarily those of North America. Laboratory and field work involve practice in classification, techniques of collection and preservation of museum specimens, and the study of local forms in their natural habitats. (2-2-3)

Prerequisites:

BIOL 2108 Minimum Grade: C or BIOL 2108H Minimum Grade: C

BIOL 4800H - Herpetology - Honors**Credits:** 3.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Biology Department

See course description for BIOL 4800. This course is for students participating in the GSW Honors Program. (2-2-3)

BIOL 4900 - Special Topics**Credits:** 1.00 TO 3.00**Lecture:** 1.00 TO 3.00**College:** College of Arts and Sciences**Department:** Biology Department

(1-0-1)

Prerequisites:

BIOL 2108 Minimum Grade: C or BIOL 2108H Minimum Grade: C

Business Administration**BUSA 1201 - Business Leadership I****Credits:** 1.00**Lecture:** 1.00**College:** College of Business & Comp**Department:** Management

This course is designed for the student who would like to participate in a leadership role in the College of Business and Computing organizations. Must be nominated by a faculty member and have permission of the Dean to be enrolled. (1-0-1)

BUSA 2010 - Microcomputer App in Business**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** General Business

This course is designed to provide an introduction to the use of microcomputer applications in business. The course will emphasize the use of the spreadsheet and the integration of these in analysis for business decisions. (3-0-3)

BUSA 2106 - The Environment of Business**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** General Business

This course provides the business student with a study of the interrelationship of law and regulation in business. The course also covers government regulation of business activities and the legal environment within which business must operate. One of the main objectives of this course is to provide the student with enough knowledge to spot legal business issues and to know when it is prudent to seek legal advice. (3-0-3)

BUSA 3020 - Perspectives on Bus&Leadership**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Management

This course is intended to serve as an introduction to the functional aspects of business, the career opportunities for the majors offered within the School of Business, and the importance of ethics and leadership in the field. The culmination of the class will be a project interacting with ENACTUS team members. Students will be expected to demonstrate leadership in service projects in the community and on the GSW campus. May not be enrolled in one of the following Class(es): Sophomore, Junior or Senior. (3-0-3)

BUSA 3021 - Leadership II: Perspect & Prac**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Management

This course intends to develop and refine leadership, service, and team skills for students. This course will focus on the art and practice of leadership in today's organizations, with emphasis on organization development and improvement, entrepreneurship and free enterprise, motivation and goal-setting, communication, sustainable business practice, and ethics and social responsibility. A key component of the course will be identifying and managing outreach service projects and presentation on a competitive national stage under the auspices of Enactus US. (3-0-3)

BUSA 3050 - Business Statistics**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** General Business

Designed to provide the student with the ability to understand the basic tasks of statistics and to develop a working knowledge of the concepts and principles of the basic practice of statistics in business situations. (3-0-3) May not be enrolled in one of the following Class(es): Freshman.

Prerequisites:

(MATH 1111 Minimum Grade: C or MTH 110 Minimum Grade: C or (MTH 108 Minimum Grade: C and MTH 109 Minimum Grade: C) or MATH 1113 Minimum Grade: C or MATH 1101 Minimum Grade: C or MATH 1120 Minimum Grade: C or MATH 1401 Minimum Grade: C

BUSA 3060 - Quantitative Management

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: General Business

A second course in business statistics, focusing on applications of inferential statistical tools in a business environment. Topics covered include inferences of difference of two population means or proportions, influences of variances of one or two populations; goodness of fit and independent tests; ANOVA analysis; and regression models. (3-0-3) May not be enrolled in one of the following Class(es): Freshman.

Prerequisites:

BUSA 3050 Minimum Grade: C

BUSA 3090 - Business Law

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: General Business

This course provides an examination of the civil and business organization systems as it pertains to business and business formation. This course will help those with a business background, or seeking a business degree, to have a better understanding of business and corporate structure, business liability, contract issues, sales, personal and real estate property issues encountered by business owners and business managers. (3-0-3) May not be enrolled in one of the following Class(es): Freshman.

BUSA 3105 - Communications in the Bus Env

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: General Business

Theory and practice in the use of correct, forceful English in business letters, reports and other written and oral communication formats found in the business world, as well as examination of non-verbal means of communication. (3-0-3)

Prerequisites:

(ENGL 1102 Minimum Grade: C or ENGL 1102H Minimum Grade: C or ENG 102 Minimum Grade: C)

BUSA 3150 - Business Finance

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: General Business

BUSA 3150 is an introduction to financial management of non-financial corporations. It emphasizes financial statement analysis, time value of money, valuation of various classes of securities, and the estimation, analysis of cash flows in the capital budgeting process. (3-0-3) May not be enrolled in one of the following Class(es): Freshman or Sophomore.

Prerequisites:

(ACCT 2101 Minimum Grade: C or ACT 205 Minimum Grade: C or ACCT 2101H Minimum Grade: C)

BUSA 3150H - Business Finance-Honors

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: General Business

See course description for BUSA 3150. This section is for students participating in the GSW Honors Program. (3-0-3)

BUSA 3400 - E-Commerce**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** General Business

This course examines the foundation, operation, and implications of state-of-the-art Internet economy. By experiencing Internet shopping and analyzing e-commerce companies, students will learn the components needed to engage in electronic commerce. Students will have hands on exercises in creating e-commerce based on these technologies. (3-0-3)

Prerequisites:

BUSA 2010 Minimum Grade: C

BUSA 3500 - Agricultural Economics**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Management

This is an introductory course on the basic principles of agricultural economics. Production and consumer economics, agricultural policy, food marketing, futures markets, marketing of agricultural products, the farm services sector and the world food situation are topics to be covered. (3-0-3)

Prerequisites:

(ECON 2105 Minimum Grade: C or ECON 2106 Minimum Grade: C)

BUSA 4970 - Business Practicum**Credits:** 3.00**Lecture:****College:** College of Business & Comp**Department:** General Business

Practical experience gained by "employment" in the workplace and in the accomplishment of one or more special projects pertinent to the activities of the sponsoring agency or organization. May not be enrolled in one of the following Class(es): Freshman. Permission of the Dean required. (0-10-3)

Career Services**CAPL 1000 - Career Planning****Credits:** 1.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** Arts and Sciences

Designed to assist students in the career decision-making process and to prepare students to select suitable academic programs that will optimize future education and employment opportunities. Students will have the opportunity to identify, clarify and integrate every aspect of making a career choice and to develop a strategy for implementing career decisions. Learning activities will include career assessment, career exploration and planning as well as job search techniques. The goal is to assist students in mastering the process of planning a solid career direction, developing a sound knowledge of available resources and the tools necessary in developing chosen career fields.

Chemistry**CHEM 1020 - Everyday Chemistry****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Chemistry Department

This class is designed for non-science major students to help them overcome the lack of interest and the challenges that they may have in learning chemistry. The class intends to capture students' attention by allowing them to learn about topics concerning today's society such as emerging infectious diseases, crime scene investigation, the obesity epidemic, biotechnology, new materials, chemical weapons and nuclear energy. Learning about a variety of chemical applications based on fundamental chemical phenomena, the students will build confidence that they can be successful in chemistry. (3-0-3)

CHEM 1151 - Survey of Chemistry I**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Chemistry Department

The first course in a two-semester sequence covering elemental principles of general, organic, and biochemistry designed for allied health profession majors (Core Area D). Topics to be covered include measurement and mathematical concepts, atomic structure, chemical bonding and molecular structure, chemical equations, chemical reactions, solutions, acids and bases, nomenclature, and fundamentals of organic compounds. (3-0-3)

Corequisites:

CHEM 1151L

Prerequisites:

MATH 1111 Minimum Grade: C

CHEM 1151L - Survey of Chemistry I Lab**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Chemistry Department

This laboratory course is designed to introduce the student to common laboratory techniques and equipment. The experiments are designed to reinforce topics that are covered in the CHEM 1151 lecture. Corequisite: CHEM 1151. (0-3-1)

Corequisites:

CHEM 1151

CHEM 1152 - Survey of Chemistry II**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Chemistry Department

The second course in a two-semester sequence covering elemental principles of general, organic, and biochemistry designed for allied health profession majors. Topics to be covered include structural features of organic compounds, reactions of organic compounds and their relevance to living systems, classes of biomolecules, structural features of biomolecules, and metabolism. (3-0-3)

Corequisites:

CHEM 1152L

Prerequisites:

MATH 1111 and CHEM 1151 and CHEM 1151L

CHEM 1152H - Survey of Chemistry II- Honors**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Chemistry Department**Corequisites:**

CHEM 1152L

Prerequisites:

(MATH 1111 and MATH 1111H) and CHEM 1151 and CHEM 1151L

CHEM 1152L - Survey of Chemistry II Lab**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Chemistry Department

This laboratory course for allied health profession majors (Core Area D) is designed to introduce the student to common laboratory techniques and equipment. The experiments are designed to reinforce topics that are covered in the CHEM 1152 lecture. Prerequisite: CHEM 1151L. Corequisite: CHEM 1152. (0-3-1)

Corequisites:

CHEM 1152

Prerequisites:

CHEM 1151L

CHEM 1211 - Principles of Chemistry I**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Chemistry Department

First course in a two-semester sequence covering the fundamental principles and applications of chemistry for science majors. Topics to be covered include composition of matter, chemical reactions, states of matter, thermochemistry, quantum theory, molecular geometry, and solutions. (3-0-3)

Corequisites:

CHEM 1211R

Prerequisites:

(MATH 1111 Minimum Grade: C or MATH 1111H Minimum Grade: C) or (MATH 1113 Minimum Grade: C or MATH 1113H Minimum Grade: C) or (MATH 1120 Minimum Grade: C or MATH 1120H Minimum Grade: C)

CHEM 1211H - Principles of Chem I-Honors**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Chemistry Department

First course in a two-semester sequence covering the fundamental principles and applications of chemistry for science majors. Topics to be covered include composition of matter, chemical reactions, states of matter, thermochemistry, quantum theory, molecular geometry, and solutions. Membership in Honors Program and consent of instructor required in addition to course prerequisites. (3-0-3)

Prerequisites:

(MATH 1111 Minimum Grade: C or MATH 1111H Minimum Grade: C) or (MATH 1113 Minimum Grade: C or MATH 1113H Minimum Grade: C) or (MATH 1120 Minimum Grade: C or MATH 1120H Minimum Grade: C)

CHEM 1211K - eCore Prin of Chemistry I &Lab**Credits:** 4.00**Lecture:** 4.00**College:** College of Arts and Sciences**Department:** Chemistry Department

ONLINE First course in a two-semester sequence covering the fundamental principles and applications of chemistry designed for science majors. Topics to be covered include composition of matter, stoichiometry, periodic relations, and nomenclature. This course has a laboratory component that required a lab kit. (4-0-4)

Prerequisites:

(MATH 1113 Minimum Grade: C or MATH 1111 Minimum Grade: C or MATH 1111H Minimum Grade: C or MATH 1113H Minimum Grade: C or MATH 1120 Minimum Grade: C or MATH 1120H Minimum Grade: C or MATH 1501 Minimum Grade: C)

CHEM 1211L - Principles of Chemistry Lab I**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Chemistry Department

Laboratory exercises that supplement the lecture material of CHEM 1211. (0-3-1)

Corequisites:

CHEM 1211

Prerequisites:

CHEM 1211

CHEM 1211R - Prin. Chemistry I Recitation**Credits:** 0.00**Lecture:****College:** College of Arts and Sciences**Department:** Chemistry Department

CHEM 1211R, recitation section of Principles of Chemistry I. (0-1-0)

Corequisites:

CHEM 1211

CHEM 1212 - Principles of Chemistry II**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Chemistry Department

Second course in a two-semester sequence covering the fundamental principles and applications of chemistry for science majors. Specific topics that will be covered in this course include: states of matter, solution chemistry and equilibria, acid-base chemistry, thermodynamics, electrochemistry, and nuclear chemistry. (3-0-3)

Prerequisites:

(CHEM 1211 or CHEM 1211H) and (MATH 1111 Minimum Grade: C or MATH 1111H Minimum Grade: C or MATH 1113 Minimum Grade: C or MATH 1113H Minimum Grade: C or MATH 1120 Minimum Grade: C or MATH 1120H Minimum Grade: C)

CHEM 1212H - Prin of Chemistry II-Honors**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Chemistry Department

Second course in a two-semester sequence covering the fundamental principles and applications of chemistry for science majors. Specific topics that will be covered in this course include: states of matter, solution chemistry and equilibria, acid-base chemistry, thermodynamics, electrochemistry, and nuclear chemistry. Membership in Honors Program and consent of instructor required in addition to course prerequisites. (3-0-3)

Prerequisites:

(CHEM 1211 Minimum Grade: C or CHEM 1211H Minimum Grade: C or CHEM 1211K Minimum Grade: C) and (MATH 1111 Minimum Grade: C or MATH 1111H Minimum Grade: C or MATH 1113 Minimum Grade: C or MATH 1113H Minimum Grade: C or MATH 1120 Minimum Grade: C or MATH 1120H Minimum Grade: C)

CHEM 1212K - eCore Prin of ChemistryII &Lab**Credits:** 4.00**Lecture:** 4.00**College:** College of Arts and Sciences**Department:** Chemistry Department

Second course in a two-semester sequence covering the fundamental principles and applications of chemistry designed for science majors. Laboratory exercises supplement the lecture material. For additional course information, visit <http://ecore.usg.edu/courses/description.php> (4-0-4)

Prerequisites:

(CHEM 1211K) or (CHEM 1211 and CHEM 1211L) and (MATH 1113 Minimum Grade: C or MATH 1113H Minimum Grade: C or MATH 1111 Minimum Grade: C or MATH 1111H Minimum Grade: C or MATH 1120 Minimum Grade: C or MATH 1120H Minimum Grade: C or MATH 1501 Minimum Grade: C)

CHEM 1212L - Principles of Chemistry Lab II**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Chemistry Department

Laboratory exercises that supplement the lecture material of CHEM 1212. (0-3-1)

Corequisites:

CHEM 1212

Prerequisites:

CHEM 1211L

CHEM 3100 - Chemical Literature**Credits:** 1.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** Chemistry Department

This course will introduce students to the current chemical literature. It will also guide the student in understanding how to use the library and their computer to find relevant articles, and how to read scientific literature; how to understand it; and how to present it to others.

Prerequisites:

CHEM 1211 and CHEM 1211L and CHEM 1212 and CHEM 1212L

CHEM 3250 - Quantitative Analysis**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Chemistry Department

An introduction to quantitative analytical techniques with emphasis on the theory and practice of classic wet and instrumental methods that are in general use in both research and industry. CHEM 3250L to be taken concurrently. (3-0-3)

Prerequisites:

(CHEM 1211 Minimum Grade: C and CHEM 1211L Minimum Grade: C) and (CHEM 1212 Minimum Grade: C and CHEM 1212L Minimum Grade: C)

CHEM 3250H - Quantitative Analysis-Honors**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Chemistry Department

An introduction to quantitative analytical techniques with emphasis on the theory and practice of classic wet and instrumental methods that are in general use in both research and industry. CHEM 3250L to be taken concurrently. (3-0-3) Honors Section

Prerequisites:

CHEM 1211 Minimum Grade: C and CHEM 1211L Minimum Grade: C and CHEM 1212 Minimum Grade: C and CHEM 1212L Minimum Grade: C

CHEM 3250L - Quantitative Analysis Lab**Credits:** 2.00**Lecture:****College:** College of Arts and Sciences**Department:** Chemistry Department

An introduction to quantitative analytical techniques in the laboratory with emphasis on classic wet and instrumental methods that are in general use in both research and industry. CHEM 3250 is to be taken concurrently. (0-6-2)

Corequisites:

CHEM 3250

Prerequisites:

(CHEM 1211 Minimum Grade: C and CHEM 1211L Minimum Grade: C) and (CHEM 1212 Minimum Grade: C and CHEM 1212L Minimum Grade: C)

CHEM 3301 - Organic Chemistry I**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Chemistry Department

The first part of a two-semester sequence devoted to the study and preparation of carbon compounds. Part one includes the study of alkanes, alkenes, alkynes, aromatic compounds, stereochemistry, and mechanisms. CHEM 3301L to be taken concurrently. (3-0-3)

Corequisites:

CHEM 3301L

Prerequisites:

CHEM 1212 Minimum Grade: C or CHEM 1212H Minimum Grade: C or CHEM 1212K Minimum Grade: C

CHEM 3301H - Organic Chemistry I-Honor**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Chemistry Department**CHEM 3301L - Organic Chemistry Laboratory I****Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Chemistry Department

Laboratory linked to CHEM 3301. Study of the synthesis of organic compounds and their properties. CHEM 3301 to be taken concurrently. (0-3-1)

Corequisites:

CHEM 3301

Prerequisites:

CHEM 1212L Minimum Grade: C

CHEM 3302 - Organic Chemistry II

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Chemistry Department

The second part of a two-semester sequence devoted to the study and preparation of carbon compounds. Part two includes the study of more complex functional groups and dysfunctional compounds. CHEM 3302L to be taken concurrently. (3-0-3)

Corequisites:

CHEM 3302L

Prerequisites:

CHEM 3301 Minimum Grade: C

CHEM 3302L - Qualitative Org Chem Lab II

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Chemistry Department

The laboratory assignments will include the characterization and identification of unknown organic compounds. CHEM 3302 to be taken concurrently. (0-3-1)

Corequisites:

CHEM 3302

Prerequisites:

CHEM 3301L

CHEM 3310 - Inorganic Chemistry

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Chemistry Department

A systematic study of the atomic structure, bonding and periodic properties of the elements. CHEM 3310L to be taken concurrently. (3-0-3)

Corequisites:

CHEM 3310L

Prerequisites:

CHEM 3302 Minimum Grade: C

CHEM 3310H - Inorganic Chemistry-Honors

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Chemistry Department

A systematic study of the atomic structure, bonding, and periodic properties of the elements. CHEM 3310L to be taken concurrently. Minimum grade of C in Organic Chemistry II, membership in the Honors Program, and consent of instructor are required. (3-0-3)

Corequisites:

CHEM 3310L

Prerequisites:

CHEM 3302 Minimum Grade: C

CHEM 3310L - Inorganic Chemistry Lab

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Chemistry Department

A lab linked to CHEM 3310 including the synthesis and study of the properties of inorganic compounds. CHEM 3310 to be taken concurrently. (0-3-1)

Corequisites:

CHEM 3310

Prerequisites:

CHEM 3302L Minimum Grade: C

CHEM 3320 - Adv Topics in Inorganic Chem

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Chemistry Department

A course designed to introduce areas of current research in inorganic chemistry. Topics to be covered, but are not limited to, include: organometallics, catalysis, solid-state chemistry, nanomaterials, and environmental inorganic chemistry. (3-0-3)

Prerequisites:

CHEM 3310 Minimum Grade: C

CHEM 4330 - Modern Organic Chemistry

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Chemistry Department

A course designed to introduce areas of current research in organic chemistry to students who are interested in chemistry as a profession. Topics to be covered, but are not limited to, include: synthetic strategies, reaction mechanisms, stereochemistry and conformational analysis, reactive intermediates, polymers, and catalysis. CHEM 3302 must be taken no more than 3 yrs prior to enrollment in CHEM 4330. Enrollment restricted to Chemistry majors. (3-0-3)

Prerequisites:

CHEM 3302

CHEM 4350 - Molecular Modeling

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Chemistry Department

An introduction to the use of computers to produce realistic models of chemical compounds based on mathematical descriptions of the atoms and the forces between them. CHEM 4402 may be taken concurrently.

Permission of instructor required in addition to course prerequisites. (3-0-3)

Prerequisites:

CHEM 3301 Minimum Grade: C and CHEM 3302 Minimum Grade: C and CHEM 4402 Minimum Grade: C

CHEM 4401 - Physical Chemistry I

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Chemistry Department

A study of thermodynamics including equations of state; gas laws; first, second, and third laws of thermodynamics; reversible and irreversible systems; & energy relationships, kinetics, and electrochemistry. CHEM 4401L to be taken concurrently. (3-0-3)

Prerequisites:

MATH 2221 Minimum Grade: C and (PHYS 2212 Minimum Grade: C or PHYS 1112 Minimum Grade: C) and (CHEM 1212 Minimum Grade: C or CHEM 1212H Minimum Grade: C or CHEM 1212K Minimum Grade: C)

CHEM 4401H - Physical Chemistry I - Honors

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Chemistry Department

A study of thermodynamics including equations of state; gas laws; first, second, and third laws of thermodynamics; reversible and irreversible systems; and energy relationships, kinetics, and electrochemistry. CHEM 4401L to be taken concurrently. This section is for students participating in the GSW Honors Program. (3-0-3)

Prerequisites:

MATH 2221 Minimum Grade: C and (PHYS 2212 Minimum Grade: C or PHYS 1112 Minimum Grade: C) and (CHEM 1212 Minimum Grade: C or CHEM 1212H Minimum Grade: C or CHEM 1212K Minimum Grade: C)

CHEM 4401L - Physical Chemistry Lab I

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Chemistry Department

An introduction to the techniques and methods of Physical Chemistry. CHEM 4401 to be taken concurrently. (0-3-1)

Corequisites:

CHEM 4401

CHEM 4402 - Physical Chemistry II

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Chemistry Department

A study of quantum mechanics and an introduction to the theoretical basis of differential spectroscopy methods. CHEM 4402L to be taken concurrently. (3-0-3)

Prerequisites:

CHEM 4401 Minimum Grade: C

CHEM 4402H - Physical Chemistry II-Honors

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Chemistry Department

A study of quantum mechanics and an introduction to the theoretical basis of differential spectroscopy methods. CHEM 4402L to be taken concurrently. This section is for students participating in the GSW Honors Program. (3-0-3)

Prerequisites:

CHEM 4401 Minimum Grade: C

CHEM 4402L - Physical Chemistry Lab II

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Chemistry Department

A continuation of the study of the techniques and methods of Physical Chemistry. CHEM 4402 to be taken concurrently. (0-3-1)

Corequisites:

CHEM 4402

Prerequisites:

CHEM 4401L Minimum Grade: C

CHEM 4410 - Biochemistry

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Chemistry Department

An introduction to the compounds, chemical reactions, and mechanisms that are important to the processes of living organisms. The emphasis will be on the major biochemical topics of enzyme structure and function, metabolism of sugars and fats, and the chemical aspects of genetic control of living organisms. Minimum grade of C required in Organic Chemistry I and II. BIOL 1107 or BIOL 2107 recommended. (3-0-3)

Prerequisites:

CHEM 3301 Minimum Grade: C and CHEM 3302 Minimum Grade: C

CHEM 4410H - Biochemistry**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Chemistry Department

An introduction to the compounds, chemical reactions, and mechanisms that are important to the processes of living organisms. The emphasis will be on the major biochemical topics of enzyme structure and function, metabolism of sugars and fats, and the chemical aspects of genetic control of living organisms. Minimum grade of C required in Organic Chemistry I and II. BIOL 1107 or BIOL 2107 recommended. This section is for students participating in the GSW Honors Program. (3-0-3)

Prerequisites:

CHEM 3301 Minimum Grade: C and CHEM 3302 Minimum Grade: C

CHEM 4410L - Biochemistry Laboratory**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Chemistry Department

A study of techniques commonly used in biochemistry laboratories including isolation and properties of enzymes. CHEM 4410 to be taken concurrently. (0-3-1)

Corequisites:

CHEM 4410

Prerequisites:

CHEM 3301L Minimum Grade: C and CHEM 3302L Minimum Grade: C

CHEM 4420 - Advanced Biochemistry**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Chemistry Department

This course continues the study of Biochemistry begun in CHEM 4410 to provide a more advanced treatment of certain topics such as enzyme kinetics and protein structure, and to include topics not previously covered such as proteomics and cell signaling mechanisms. (3-0-3)

Prerequisites:

CHEM 4410 Minimum Grade: C

CHEM 4450 - Instrumental Analysis**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Chemistry Department

An introduction to modern instrumental techniques with emphasis on those that are in general use in both research and industry. CHEM 4450L to be taken concurrently. (3-0-3)

Prerequisites:

CHEM 3250 Minimum Grade: C or CHEM 3301 Minimum Grade: C

CHEM 4450H - Instrumental Analysis-Honors**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Chemistry Department

An introduction to modern instrumental techniques with emphasis on those that are in general use in both research and industry. CHEM 4450L to be taken concurrently. This section is for students participating in the GSW Honors Program. (3-0-3)

Prerequisites:

(CHEM 2250 Minimum Grade: C or CHEM 3250 Minimum Grade: C) and CHEM 3302 Minimum Grade: C

CHEM 4450L - Instrumental Analysis Lab**Credits:** 2.00**Lecture:****College:** College of Arts and Sciences**Department:** Chemistry Department

An introduction to modern instrumental techniques in the laboratory with emphasis on application of specific methods to analytical problems. CHEM 4450 to be taken concurrently. (0-6-2)

Corequisites:

CHEM 4450

Prerequisites:

CHEM 3250L Minimum Grade: C or CHEM 3301L Minimum Grade: C

CHEM 4470 - Special Problems

Credits: 2.00

Lecture:

College: College of Arts and Sciences

Department: Chemistry Department

A two-hour directed study course designed to provide the advanced student with the opportunity to develop an interest in current topics in chemistry. Permission of instructor required. (0-4-2)

CHEM 4470H - Special Problems- Honors

Credits: 2.00

Lecture:

College: College of Arts and Sciences

Department: Chemistry Department

A two-hour directed study course designed to provide the advanced student with the opportunity to develop an interest in current topics in chemistry. This section is for students participating in the GSW Honors Program. (0-4-2)

CHEM 4480 - Special Problems II

Credits: 2.00

Lecture:

College: College of Arts and Sciences

Department: Chemistry Department

A two-hour directed study course designed to provide the advanced student with the opportunity to develop an interest in current topics in chemistry. Permission of instructor required. (0-4-2)

CHEM 4491 - Chemistry Seminar I

Credits: 1.00

Lecture: 1.00

College: College of Arts and Sciences

Department: Chemistry Department

A course to acquaint students with the chemical literature. Each student will prepare a written and oral presentation on some topic of interest in current chemical literature. Eight hours of upper division chemistry and permission of instructor required in addition to course prerequisites. (1-0-1)

Prerequisites:

CHEM 3302 Minimum Grade: C

CHEM 4492 - Chemistry Seminar II

Credits: 1.00

Lecture: 1.00

College: College of Arts and Sciences

Department: Chemistry Department

A course to acquaint students with the chemical literature. Each student will prepare a written and oral presentation on some topic of interest in current chemical literature. Eight hours of upper division chemistry and permission of instructor required in addition to course prerequisites. (1-0-1)

Prerequisites:

CHEM 3302 Minimum Grade: C and CHEM 4491 Minimum Grade: C

Chinese

CHIN 1001 - Elementary Chinese I

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

Elementary Chinese I is for persons with little or no background in Mandarin Chinese, and is designed to introduce the student to the language and culture.(3-0-3)

CHIN 1002 - Elementary Chinese II**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Modern Languages

Elementary Chinese II is for persons with little or no background in Mandarin Chinese, and is designed to continue the introduction, begun in CHIN 1001, of the student to the language and culture (3-0-3)

Prerequisites:

CHIN 1001

CHIN 2001 - Intermediate Chinese I**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Modern Languages

This course is designed to develop skills in the target language and develop knowledge of Chinese culture and society. The course includes study of advanced grammar, vocabulary, and idiomatic expressions.

Prerequisites:

CHIN 1002

CHIN 2002 - Intermediate Chinese II**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Modern Languages

This course is designed for students to consolidate their mastery of elementary Chinese. Students will continue to develop skills in the target language using advanced grammar, vocabulary, and idiomatic expressions.

Prerequisites:

CHIN 2001

Information Technology**CIS 1000 - Computer Applications****Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Computer Science

This course was developed as an exercise oriented approach to helping students become familiar with computer applications through a hands-on experience. Computer Applications includes document preparation, spreadsheets, databases, and presentation software. The course will also provide an introduction to computers and briefly discuss features of an operating system. (3-0-3)

CIS 2000 - Desktop Publ -Multimedia Pres**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Computer Science

This course is developed as an exercise oriented approach to design documents that combine text and graphics on a page in a variety of formats using a desktop publishing software package. The multimedia styles covered include the use of text, sound, still images, animation, and video. An extensive hands-on approach using an authoring language, presentation software and multimedia will allow students to develop effective multimedia presentations. (3-0-3)

Prerequisites:

CIS 1000 or CIS 250

CIS 2020 - Audio-Video Production Tech II**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Computer Science

This course deals with the principles and objectives involved in audio content creation for digital multimedia projects. Fundamentals of audio and sound design will be discussed with an emphasis on the editing of digital audio files. The focus will be on practical, professional techniques used to add professional music and sound effects to video and multimedia projects. (3-0-3)

CIS 2100 - Computer Interfacing-Config

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Computer Science

This course covers microcomputer hardware systems in interface design, configuration, upgrading, and troubleshooting. It also covers various modern bus structures, interrupts, interface controllers, parallel and serial I/O, multimedia devices, A/D and D/A conversion, and other major peripheral interfaces. (3-0-3)

CIS 3000 - Internet Technologies

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Computer Science

The course is an introduction to the essential concepts of HTML and JavaScript. It provides a comprehensive introduction to the tools and skills required for both client- and server-side programming, teaching students how to develop platform-independent sites using a manageable progression. Other concepts relating to client-side and server-side programming, including ASP.NET using C#, JavaScript, Ajax, JSP, XHTML, XML, Ruby, Rails, Flash and PHP are also introduced. (3-0-3)

Prerequisites:

CSCI 1301 Minimum Grade: C

CIS 3000H - Internet Technologies Honors

Credits: 3.00

Lecture: 3.00

College: School of Comp and Mathematics

Department: Computer Science

The course is an introduction to the essential concepts of HTML and JavaScript. It provides a comprehensive introduction to the tools and skills required for both client- and server-side programming, teaching students how to develop platform-independent sites using a manageable progression. Other concepts relating to client-side and server-side programming, including ASP.NET using C#, JavaScript, Ajax, JSP, XHTML, XML, Ruby, Rails, Flash and PHP are also introduced. (3-0-3)

CIS 3200 - Computer Network Management

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Computer Science

This course is an introduction to network management and administration. It presents a managerial perspective of the architecture, operations, and management network systems. There is an emphasis on design and implementation of microcomputer based networks. Topics covered in this course include: network topology design, protocols, security configuration, and administration. Students will have hands-on experiments to manage users and groups, design and create security policies, disk management and internet services. (3-0-3)

Prerequisites:

CIS 2100 or CIS 230

CIS 3700 - Information Resource Mgmt

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Computer Science

This course provides a broad overview of managing information system resources. This course will discuss planning, organizing, controlling, and the administration of information systems. (3-0-3)

Prerequisites:

CIS 3300 or CIS 350

CIS 4310 - Information Sys Project Mgmt

Credits: 3.00

Lecture:

College: College of Business & Comp

Department: Computer Science

This course provides background knowledge in information technology project management. The course covers several aspects of project management such as project integration management, scope management, time, cost, risk management, project quality management, and human resource management. Students will have hands-on experience in using project management software such as MS Project 2007. (3-0-3)

Prerequisites:

CIS 3300

Case Management & Care Coordination

CMCC 3000 - Basic Principles of Case Mgmt

Credits: 3.00

Lecture: 3.00

College: College of Nursing & Health Sc

Department: Long Term Care Management

This online course explores the basic principles of case management and care coordination. These principles are the core strategies on how to assist individuals and families on how to navigate the health care system. (3-0-3)

Prerequisite(s) or Co-requisites: None

CMCC 3100 - Comm and Assessment

Credits: 3.00

Lecture: 3.00

College: College of Nursing & Health Sc

Department: Long Term Care Management

This online course focuses on effective communication and assessment skills to enable an understanding of the client needs in the healthcare environment. (3-0-3) Prerequisite(s) or Co-requisites: None

CMCC 3200 - Strategies of Care Case Mgmt

Credits: 3.00

Lecture: 3.00

College: College of Nursing & Health Sc

Department: Long Term Care Management

This online course focuses on developing a plan of care, monitoring services and following the client needing assistance navigating the health care system. (3-0-3) Prerequisite(s) or Co-requisites: None

Communications

COMM 1100 - eCore Human Communication

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Theater, Comm, & Media Arts

This course is a broad approach to oral communication skills including intrapersonal, interpersonal, small group, and public speaking. Students in this course will be expected to participate in discussions on a frequent basis, take 12 short online quizzes, complete a variety of unit assignments and take a proctored final exam. (3_0_3) For additional course information, visit <http://ecore.usg.edu/courses/description.php>

Prerequisites:

COMM 1110 - Fundamentals of Speech

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Theater, Comm, & Media Arts

Surveys the fundamental concepts of interpersonal and public communication, including the teaching and practice of some basic skills for both communication contexts. (3-0-3)

COMM 1110H - Fundamentals of Speech-Honors**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Theater, Comm, & Media Arts

See the course description for COMM 1110. This section is students participating in the GSW Honors Program. (3-0-3)

COMM 1112 - Video Production Practicum**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Theater, Comm, & Media Arts

Introductory level study of the process and craft of video production through application and practice. May be repeated twice. (0-2-1)

COMM 2112 - Video Production Practicum**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Theater, Comm, & Media Arts

Intermediate level study of the process and craft of video production through application and practice. May be repeated twice. (0-2-1)

COMM 2225 - Video Production I**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Theater, Comm, & Media Arts

The course will introduce students to the basic skills and techniques necessary for the production of a television program. Emphasis will be placed on videography, cameras, editing and lighting. Students will gain hands-on experience in making a video. (3-0-3)

COMM 2225H - Video Production I-Honors**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Theater, Comm, & Media Arts

The course will introduce students to the basic skills and techniques necessary for the production of a television program. Emphasis will be placed on videography, cameras, editing and lighting. Students will gain hands-on experience in making a video. (3-0-3) Honors Section

COMM 3040 - Integrated Comm & Theory**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Theater, Comm, & Media Arts

Analysis of understanding and application of complex theories and research in Human Communication study. Students will investigate the integration of effects of new media technologies on Human Communication. (3-0-3)

COMM 3112 - Cinema Production Practicum**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Theater, Comm, & Media Arts

Advanced level study of the process and craft of producing video through application and practice. May be repeated twice. (0-2-1)

COMM 3225 - Advanced Cinema Production**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Theater, Comm, & Media Arts

Advanced Video Production. Course focuses on focuses on electronic news gathering (ENG) for broadcast, including shooting B-roll, stand-ups and packages for news broadcast. Emphasis will also be placed on video news releases, and production for electronic distribution of news video. (3-0-3)

COMM 4080 - Studies in New Media

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Theater, Comm, & Media Arts

Analysis of understanding, application, and research of critical concepts and hands-on skills in "new media" in the areas of media such as film, television, and graphic design for print publications. (3-0-3)

COMM 4112 - Cinema Production Capstone

Credits: 3.00

Lecture:

College: College of Arts and Sciences

Department: Theater, Comm, & Media Arts

A capstone course designed to build on the student's cumulative experiential work in the process and craft of producing theater through application and practice. Selection by audition or approval of instructor. (0-6-3)

COMM 4545 - Issues in Comm & Media Studies

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Theater, Comm, & Media Arts

Issues in Communication and Media Studies. Analysis of understanding and application of environment, operation, culture, and diversity issues of media. Students will research and evaluate communication issues about media content and perspectives of media in everyday life. (3-0-3)

COMM 4585 - Issues in Comm & Media Studies

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Theater, Comm, & Media Arts

Analysis of understanding and application of environment, operation, culture, and diversity issues of media. Students will research and evaluate communication issues about media content and perspectives of media in everyday life. (3-0-3)

COMM 4770 - Special Topics

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Theater, Comm, & Media Arts

Advanced opportunities for the study of topics to meet special needs and interest students, presented in conjunction with special programming of the department, or drawing on areas of faculty expertise not covered by the standing offerings (3-0-3).

Criminal Justice

CRJU 1100 - Intro to Criminal Justice

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Sociology

Introduces the structure, functions, and operations of criminal justice agencies, including the police, the courts corrections.

Prerequisites:

CRJU 2100 - Intro to Law Enforcement

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Sociology

Provides an overview of law enforcement in a free society and the relationship of police to the criminal justice system as a whole. History, organization, operations, and selected issues are examined.

Prerequisites:

CRJU 2200 - The Judicial Process

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Sociology

Provides an overview of the judicial component of the criminal justice system which focuses on the structure, role, jurisdiction, and operation of the courts and the courtroom workgroup in the adjudicatory and appellate process at the local, state, and federal levels.

Prerequisites:

CRJU 3100 - Criminal Law

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Sociology

Offers an overview of both substantive and procedural law related to the definitions, investigations, processing, and punishment of crimes. The course will introduce students to the legal idea of criminal responsibility, the concept and elements of criminal responsibility, required state of mind (*mens rea*), and prohibited conduct (*actus reus*). The course discusses the substantive content, structure, and sources of major crimes against personal and property and provides a comprehensive evaluation of various legal defenses to criminal liability under both common law (case law) and statutory law (legislative law) approaches. Prerequisite: CRJU 1100

Prerequisites:

CRJU 1100 Minimum Grade: C

CRJU 3110 - Criminal Procedure

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Sociology

A study of the nature and function of the law regulating the criminal processes, policies, and procedures in the administration of criminal justice. Special attention will be given to United States Supreme Court decisions. Prerequisite: CRJU 1100

Prerequisites:

CRJU 1100 Minimum Grade: C

CRJU 3200 - Criminology

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Sociology

A study of the nature and scope of crime in society with an emphasis on criminological theories. Prerequisite: CRJU 1100.

Prerequisites:

CRJU 1100 Minimum Grade: C

CRJU 3250 - Crime and the Media

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Sociology

Analyzes the role the mass media has on human behavior, subsequently affecting human judgment, attitudes, perceptions of crime, and societal reactions to crime in general. This course analyzes how the general public processes the "criminal event" and other pertinent information regarding crime and how this process is fundamentally derived from the media and is an instrumental element in the creation of fear of crime. Prerequisite: CRJU 1100

Prerequisites:

CRJU 1100 Minimum Grade: C

CRJU 3300 - Introduction to Corrections**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Sociology

A study of the history, structure, and functions of corrections, as well as the legal and philosophical basis for the punishment of criminal offenders. Prerequisite: CRJU 1100

Prerequisites:

CRJU 1100 Minimum Grade: C

CRJU 3350 - Drugs in America**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Sociology

Explores and analyzes the complex experience of illicit drug use in America from multiple angles with special attention to the ways that our culture understands drugs, drug use, and drug policy as a social/criminal justice problem. Topics include punishment, interdiction, prevention, and/or rehabilitation. Prerequisite: CRJU 1100

Prerequisites:

CRJU 1100 Minimum Grade: C

CRJU 3400 - Juvenile Delinq and Justice**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Sociology

Reviews the juvenile justice system, including the impact of Supreme Court decisions, and examines the theories of juvenile delinquency and the implication of those theories for preventing and controlling juvenile deviance.

Prerequisite: CRJU 1100

Prerequisites:

CRJU 1100 Minimum Grade: C

CRJU 3500 - Criminal Investigation I**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Sociology

An overview of principles, techniques, law and procedure involved in the criminal investigative process from its inception to culmination. Prerequisite: CRJU 1100

Prerequisites:

and CRJU 1100)

CRJU 3501 - Criminal Investigations II**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Sociology

Continues information introduced in CRJU 3500, with special focus on the investigation of the crimes of burglary, robbery, forgery, homicide, assault, and bombings. Provided testimony in court, assessing modus operandi, and developing personality profiles will also be examined, as well as obtaining fingerprints and other types of latent evidence. Prerequisite: CRJU 1100

Prerequisites:**CRJU 3600 - Criminal Justice Admin****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Sociology

Introduction to criminal justice management theory, practice, and policy. This course includes a review of traditional schools or organizational theory, including bureaucracy, scientific management, human relations, and the behavioral approach, with particular emphasis on how each applies to criminal justice agencies. Prerequisite: CRJU 1100

Prerequisites:

CRJU 1100 Minimum Grade: C

CRJU 3700 - Research Methods

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Sociology

An introduction to criminal justice research methodologies, with a focus on research design, ethical concerns, conceptualization, sampling, data analysis, interpretation of research results, report writing, and application of research findings. Prerequisite: CRJU 3200

Prerequisites:

CRJU 3200 Minimum Grade: C

CRJU 3710 - Special topics in Crim Justice

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Sociology

An intensive study of a specific topic relevant to criminal justice, including sex crimes, terrorism, drug law, or capital punishment. This course may be taken three times for a total of nine credit hours when topics vary.

Prerequisite: CRJU 1100

Prerequisites:

CRJU 1100 Minimum Grade: C

CRJU 3800 - Race, Ethnicity & Crim Just

Credits: 3.00

Lecture:

College: College of Arts and Sciences

Department: Sociology

Addresses the racial impact of criminal laws enacted by the people's elected representatives, the actions and policies of law enforcement agencies, the courts, correctional institutions, the juvenile justice system, and the death penalty. Raises awareness and promotes critical thinking about the problems that exist in our system, how those problems originated and evolved, and possible solutions for these problems. Prerequisite: CRJU 1100

Prerequisites:**CRJU 3810 - Victimology**

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Sociology

Addresses the physical, emotional and financial impact of crime victimization; the relationship between victims and offenders; how the criminal justice system interacts with crime victims; and the policies designed by the government to offer assistance to individuals who are victimized by crime. Raises awareness and promotes critical thinking and problem solving about the most effective strategies for interaction with crime victims, the measurement of crime victimization, and victim trends. Prerequisite: CRJU 1100

Prerequisites:

CRJU 1100 Minimum Grade: C

CRJU 4000 - Internship to Criminal Justice

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Sociology

Supervised, practical experience in an appropriate criminal justice agency. This course allows students the opportunity to discover the integration between theory and practice. This course may be taken three times for a total of nine hours credit. Prerequisites: CRJU 1100, Permission of Instructor, 12 credit hours of upper-level CRJU courses.

Prerequisites:

CRJU 4110 - The Law of Criminal Evidence

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Sociology

An examination of the rules of evidence used in criminal prosecutions, including burden of proof, presumptions, inferences and stipulations, relevancy of evidence and competency of witnesses, expert testimony, hearsay, and constitutional limitations. Prerequisite: CRJU 1100.

Prerequisites:

CRJU 1100 Minimum Grade: C

CRJU 4200 - Profiling the Serial Offender

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Sociology

An examination of the types and patterns of crimes committed by serial offenders and the process by which profiles are developed to solve these crimes. Prerequisite: CRJU 1100

Prerequisites:

CRJU 1100 Minimum Grade: C

CRJU 4210 - Terrorism & Crim Just System

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Sociology

An examination of the motives and actions of terrorists, the governmental response to terrorism, especially in the wake of 9/11, and the legal and constitutional restraints on the government. Included will be issues such as surveillance of American citizens, detention of suspected terrorists, enemy combatants, limits on the methods of interrogation, and use of military tribunals. Prerequisite: CRJU 1100

Prerequisites:

CRJU 1100 Minimum Grade: C

CRJU 4300 - Community Corrections

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Arts and Sciences

An examination of alternatives to incarceration. Special emphasis will be given to the issues of probation and parole, as well as diversion, community service, electronic monitoring, and various treatment programs.

Prerequisites: CRJU 1100 and CRJU 3300

Prerequisites:

(CRJU 1100 Minimum Grade: C and CRJU 3300 Minimum Grade: C)

CRJU 4350 - Family Violence

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Sociology

Explores a range of crimes that occur in the family setting, including violence between intimate partners child abuse, and neglect. Theoretical factors, as well as how the criminal justice system responds to both victims and perpetrators of family violence, will be examined. Prerequisites: CRJU 1100 and CRJU 3300.

Prerequisites:

CRJU 1100 Minimum Grade: C

CRJU 4500 - Management of Forensics

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Sociology

The scientific investigation of crime with emphasis on collection, analysis, comparison, and identification of physical evidence. Prerequisites: CRJU 1100, CRJU 3500

Prerequisites:

(CRJU 1100 Minimum Grade: C and CRJU 3500 Minimum Grade: C)

CRJU 4600 - Police Practices and Issues

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Sociology

An advanced examination of policing, exploring topics, including the police subculture, the police use of discretion, the broken-windows approach, community policing, and problem-solving approaches. Prerequisite: CRJU 1100

Prerequisites:

CRJU 1100 Minimum Grade: C

CRJU 4700 - Ethical Issues in Crim Justice

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Sociology

An examination of the philosophical theories underlying ethics and how they relate to issues involving the police, courts, corrections, law, and principles of justice. Prerequisite: CRJU 1100

Prerequisites:

CRJU 1100 Minimum Grade: C

CRJU 4800 - Senior Capstone

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Sociology

Serves as the comprehensive experience in criminal justice utilizing the student's knowledge and academic skills, including pursuing archival research, journal keeping, note-taking and report-writing to address a topic or issue of contemporary interest in criminal justice or one of its sub-fields. The course will be taught at the senior level and will focus on criminal justice issues at the national and international levels. In addition to the course requirements, students will complete a major research paper that results in an end-of-semester presentation to the class. This course serves as a capstone course for criminal justice majors. Prerequisite: CRJU 3700, Must be a Senior.

Prerequisites:**Computer Science****CSCI 1301 - Introduction to Programming I**

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Computer Science

The emphasis in this course is on problem solving and basic programming. A high-level language will be used to explain programming structure and style. Topics will include problem solving and algorithm development, data types, operators, methods, control structures, arrays, and program design. (3-0-3)

Prerequisites:

CIS 1000 Minimum Grade: C or CIS 101 Minimum Grade: C or CIS 1000H Minimum Grade: C

CSCI 1301H - Intro to Programming I-Honors

Credits: 4.00

Lecture: 3.00

College: School of Comp and Mathematics

Department: Computer Science

This course teaches problem solving and basic programming. A high-level language will be used to explain programming structure and style. Topics will include problem solving and algorithm development, data types, operators, methods, control structures, arrays, and program design. This section is for students participating in the GSW Honors Program. (4-0-4)

Prerequisites:

CIS 1000 Minimum Grade: C or CIS 101 Minimum Grade: C

CSCI 1302 - Introduction to Programming II

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Computer Science

This course is a continuation of the Introduction to Programming I class. Topics to be covered include methods, arrays and collections, windows programming, event based programming, handling exceptions, and working with files. (3-0-3)

Prerequisites:

CSCI 1301 Minimum Grade: C or CSC 220 Minimum Grade: C

CSCI 1302H - Intro to Programming II-Honors

Credits: 4.00

Lecture: 3.00

College: School of Comp and Mathematics

Department: Computer Science

This course will continue the development of concepts introduced in CSCI 1301. Advanced programming techniques will be emphasized. Students will be given the opportunity to design and implement complex programs using an object oriented approach. Topics to be covered include graphical user interface applications, programming based on events, exception handling, and working with files and databases. This section is for students participating in the GSW Honors Program. (4-0-4)

Prerequisites:

CSCI 1301 Minimum Grade: C or CSC 220

CSCI 2100 - Assembly Language Programming

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Computer Science

This course discusses the basic computer organization of the microcomputer and its assembly programming language, Assembly fundamentals, Macro Assembler, DEBUG, I/O services, numeric processing and conversion, string processing. Macro library, and Macro structures will be covered. (3-0-3)

Prerequisites:

CSCI 1302 Minimum Grade: C

CSCI 2200 - Computer Architecture

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Computer Science

This course covers the basic concepts and design techniques in the hardware design of computer systems. In details, digital circuit design, block level design, data processing unit design, instruction set design, RISC vs. CISC, hardwired and micro-programmed control unit design, memory design, system bus structure, IO processors, and Interrupts are discussed. (3-0-3)

Prerequisites:

CSCI 2100 Minimum Grade: C

CSCI 2500 - Discrete Structures in CS

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Computer Science

This course provides a brief introduction to mathematical logic and typical proof methods, followed by a discussion of sets, functions, and relations. The course also focuses on the mathematical techniques that are frequently used in computer science like counting techniques, combinatorics, and recurrence relation. (3-0-3)

Prerequisites:

MATH 1113

CSCI 2500H - Discrete Structures Honors

Credits: 3.00

Lecture: 3.00

College: School of Comp and Mathematics

Department: Computer Science

This course provides a brief introduction to mathematical logic and typical proof methods, followed by a discussion of sets, function, and relations. The course also focuses on the mathematical techniques that are frequently used in computer science like counting techniques, combinatorics, and recurrence relation. (3-0-3)

Prerequisites:

MATH 1113 or MATH 1111

CSCI 2510 - Data Structures and Algorithms

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Computer Science

This course covers the basic data structures including stacks, queues, linked lists, heaps, and various search trees, utilizing the abstract data type approach. Recursive algorithms are analyzed for space and time complexities. (3-0-3)

Prerequisites:

CSCI 1302 Minimum Grade: C and CSCI 2500 Minimum Grade: C or CSCI 1302H Minimum Grade: C or CSCI 2500H Minimum Grade: C

CSCI 2920 - Ethics in the Comp Profession

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Computer Science

This course covers ethical theory and codes of ethics for computer professionals. It covers topics such as the responsibility and liability of software creators and software vendors, computers and privacy, computers and the distribution of power in our society, and ownership of software. (3-0-3)

CSCI 2920H - Ethics in the Comp Prof Honors

Credits: 1.00

Lecture: 1.00

College: School of Comp and Mathematics

Department: Computer Science

See course description for CSCI 2920. This section is for students participating in the GSW Honors Program. (1-0-1)

CSCI 3100 - Introduction to Computer Org

Credits: 3.00

Lecture: 2.00

College: College of Business & Comp

Department: Computer Science

This course introduces students to the fundamentals of digital logic design. It covers basic combinational and sequential logic components and the design of combinational and sequential circuits. It also introduces block-level design of complex functions, ALU design, control unit design and instruction set design. (3-0-3)

Prerequisites:

CSCI 2500 or CSCI 2500H

CSCI 3200 - Principles of Operating System

Credits: 3.00

Lecture:

College: College of Business & Comp

Department: Computer Science

The goal of this course is to provide knowledge Operating Systems in general with the command line interface as the focus. The course also focuses on operating system utilities including process, file, storage and I/O management. (3-0-3) . .

Prerequisites:

CSCI 1302 or CSCI 1302H

CSCI 3200H - UNIX - Honors

Credits: 3.00

Lecture:

College: School of Comp and Mathematics

Department: Computer Science

The goal of this course is to provide knowledge of UNIX applications interface, guiding the student through operating system utilities including process, file, storage and I/O management. Cover important UNIX concepts, like interprocess communication and I/O redirection with shell commands to enhance understanding of both and to discuss Bourne and C Shell Programming. This section is for students participating in the GSW Honors Program. (3-0-3)

Prerequisites:

CSCI 1302 Minimum Grade: C or CSCI 1302H Minimum Grade: C

CSCI 3300 - Concepts of Programming Lang

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Computer Science

The course provides an introduction to the basic paradigms and techniques of imperative, functional, logic, object-oriented, and concurrent programming languages. Using illustrative examples, the student will be exposed to various programming languages representative of the above paradigms. (3-0-3)

Prerequisites:

CSCI 1302 or CSC 231 or CSCI 1302H

CSCI 3400 - Intro to Computer Networks

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Computer Science

This course introduces the concept of Computer Networks with security in mind. Several topics including the 7 layers of ISO-OSI model will be covered. The students will learn in depth the concepts of data transmission and data protection in the networks. Some hands on work using some networking tools and/or commands will also be performed. (3-0-3)

Prerequisites:

CSCI 2200 Minimum Grade: C

CSCI 3500H - Data Structures & Alg - Honors

Credits: 3.00

Lecture: 3.00

College: School of Comp and Mathematics

Department: Computer Science

See course description for CSCI 3500. This section is for students participating in the GSW Honors Program. (3-0-3)

CSCI 3600 - Computer Security

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Computer Science

This course provides an introduction to various topics of computer and information security, including but not limited to: cryptography, access control, authentication, vulnerability analysis, network security, and intrusion detection. Students will strengthen their understanding of basic security issues through a series of hands-on projects. (3-0-3)

CSCI 4110 - Introduction to VLSI Design

Credits: 3.00

Lecture: 3.00

College: School of Comp and Mathematics

Department: Computer Science

This course will discuss CMOS technology, circuit design, layout, and system design. The course will progress from a circuit view of CMOS IC design to a subsystem view of CMOS VLSI emphasizing the semi-custom design approach. (3-0-3)

Prerequisites:

CSCI 4100 or CSC 400

CSCI 4200 - Design of Operating Systems

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Computer Science

This course introduces the general principles of designing and implementing an operating system. Topics include memory management, processor management, process synchronization, device management, and file systems. (3-0-3)

Prerequisites:

CSCI 3500 or CSC 310 or CSCI 3500H or CSCI 2500

CSCI 4200H - Design of Operating Systems-Hn

Credits: 3.00

Lecture: 3.00

College: School of Comp and Mathematics

Department: Computer Science

This course introduces the general principles of designing and implementing an operating system. Topics include memory management, processor management, process synchronization, device management, and file systems. This section is for students participating in the GSW Honors Program. (3-0-3)

Prerequisites:

CSCI 3500 or CSC 310

CSCI 4210 - Computer Networks

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Computer Science

This course covers elementary communications theory, fundamental communication concepts, layered protocols, network switching, distributed processing, error detection and correction, routing algorithms, network security, topology, and management. (3-0-3)

Prerequisites:

CSCI 4200 or CSC 421

CSCI 4300 - Software Engineering

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Computer Science

This course introduces basic software engineering principles. The course will discuss the scope of software engineering, software process, life cycle models, team organizations, testing, introduction to objects, and phases of software life cycle. Students will learn how to implement the basic software engineering principles via real life scenarios. Topics include engineering life-cycle models, the software process, object-oriented analysis, writing functional specifications and software maintenance. (3-0-3)

Prerequisites:

CSCI 1302 Minimum Grade: C or CSCI 1302H Minimum Grade: C

CSCI 4310 - Object Oriented Programming

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Computer Science

The important features of objects such as inheritance, interfaces, and polymorphism will be introduced. Specific topics include systematic approach to program construction, preconditions, postconditions, and object-oriented design case studies. The students will be required to run a significant number of programs in an object-oriented programming language. (3-0-3)

or CSCI 1302H CSCI 1302 or CSC 231 or CSCI 1302H

CSCI 4310H - Object Oriented Program-Honors**Credits:** 3.00**Lecture:** 3.00**College:** School of Comp and Mathematics**Department:** Computer Science**CSCI 4320 - Human Computer Interaction****Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Computer Science

This course will discuss interactive systems, human user, channels of communication; theories of human memory; variability and limits of human capabilities; theories of human reasoning and problem-solving, tasks and strategies, interactive devices and technologies, design of interfaces, dialogue design and styles; new ideas in interfaces, tools and techniques for the construction of interfaces, and methods of evaluation. (3-0-3)

Prerequisites:

CIS 1000

CSCI 4400 - Intro to Database Systems**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Computer Science

This course will discuss the fundamental concepts necessary for the design, use and implementation of database systems. The topics include the relational model, the ER, SQL, functional dependencies, normalization, and relational design. (3-0-3)

Prerequisites:

CSCI 1302 Minimum Grade: C and CSCI 2510 Minimum Grade: C or CSCI 3500

CSCI 4500 - Design-Analysis of Algorithms**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Computer Science

This course provides techniques for designing and analyzing algorithms. It covers various types of efficiency analysis including worst-case, average, and amortized complexity. It also presents the main paradigms in the design of algorithms (greedy, divide-and-conquer, dynamic programming, backtracking) for the main classes of algorithms. (3-0-3)

Prerequisites:

CSCI 3500 or CSC 310 or CSCI 3500H or CSCI 2500

CSCI 4500H - Design-Anls of Algorithm Hnrs**Credits:** 3.00**Lecture:** 3.00**College:** School of Comp and Mathematics**Department:** Computer Science

This course provides techniques for designing and analyzing algorithms. It covers various types of efficiency analysis including worst-case, average, and amortized complexity. It also presents the main paradigms in the design of algorithms (greedy, divide-and-conquer, dynamic programming, backtracking) for the main classes of algorithms. This section is for students participating in the GSW Honors Program. (3-0-3)

Prerequisites:

CSCI 3500 or CSC 310

CSCI 4510 - Theory of Computation**Credits:** 3.00**Lecture:** 3.00**College:** School of Comp and Mathematics**Department:** Computer Science

The course investigates the fundamental capabilities and limitations of computers. It covers finite automata, regular languages and sets, context-free grammars, pushdown automata, and Turing machines. (3-0-3)

Prerequisites:

CSCI 4500

CSCI 4800 - Cloud Computing**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Computer Science

This course introduces the concept of Cloud Computing with security in mind. Students will learn about public clouds and the services (PaaS, IaaS, SaaS) over the internet. Issues pertaining to hypervisor, security and cost effectiveness will also be covered. (3-0-3)

Prerequisites:

CSCI 3400 Minimum Grade: C

CSCI 4810 - Mobile / Distributed Computing**Credits:** 3.00**Lecture:** 2.00**College:** College of Business & Comp**Department:** Computer Science

This course consists of two parts. The first part covers mobile computing principles. This part focuses on developing mobile application for various major platforms, such as Android and Apple iOS. Topics include mobile device architecture, mobile programming, graphical user interface (GUI) design, seamless transition among heterogeneous systems, and app distribution, etc. The second part covers design and implementation of distributed company systems. This part includes topics such as multi-threading, network programming, consensus, consistency, scalability, fault-tolerance and security. (2-1-3)

Prerequisites:

CSCI 1302 Minimum Grade: C

CSCI 4820 - Prin of Computer Graphics**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Computer Science

The course will cover the basic principles of two dimensional graphic display, algorithms, and modeling. The purpose of this course is to present a theoretical understanding of elementary graphics rather than the use of a particular graphical programming language. Topics include extensive discussion of simple graphics primitives (lines, curves, polygons, etc.), polygon filling, color, and brushes. Software libraries in an appropriate language will be used to implement class discussions. Display of three-dimensional objects is introduced. (3-0-3)

Prerequisites:

CSCI 1302 or CSC 231 and CSCI 2500 or CSCI 1302H or CSCI 2500H

CSCI 4830 - Artificial Intelligence**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Computer Science

This course provides an introduction to the problems and techniques of Artificial Intelligence. It surveys the major subdisciplines of AI discussing such topics as problem spaces, search strategies, game theory with minimax and alpha-beta pruning, knowledge representation, machine learning, neural networks, and intelligent agents. An appropriate language for AI programming will be introduced. (3-0-3)

Prerequisites:

CSCI 3500 or CSC 310 or CSCI 2500

CSCI 4830H - Artificial Intelligence-Honors**Credits:** 3.00**Lecture:** 3.00**College:** School of Comp and Mathematics**Department:** Computer Science

See course description for CSCI 4830. This section is for students participating in the GSW Honors Program. (3-0-3)

CSCI 4900 - Special Problems in Comp Sci**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Computer Science

This course provides students with an opportunity to study and explore current computer science topics not covered in any other course. Students will also have the opportunity to design and implement software systems for business environments and to expand on projects from previous classes. (3-0-3) Junior status or above

CSCI 4910 - Junior-Senior Seminar

Credits: 1.00

Lecture: 1.00

College: College of Business & Comp

Department: Computer Science

This course allows students to select and explore topics from a wide spectrum of topics in the computing field and to make a class presentation on this topic. Students will gain experience in preparing and delivering a presentation to an audience of peers and in the critical evaluation of presentations. (1-0-1)

CSCI 4930 - Internship

Credits: 3.00

Lecture:

College: College of Business & Comp

Department: Computer Science

The Internship gives students an opportunity to apply and extend the theoretical knowledge acquired in the classroom to a practical experience. Topics for the internship projects are based on the undergraduate curriculum. (0-12-3) Senior status

CSCI 4940 - Capstone Project

Credits: 4.00

Lecture: 1.00

College: College of Business & Comp

Department: Computer Science

This project oriented course is intended for students who are nearing the end of this B.S Degree in Computer Science or Information Technology. The purpose of this course is to provide a comprehensive examination and review of fundamental knowledge and skills in computer science or IT via hands-on projects. Student will develop programming based projects to solve real world problems, perform independent research, present the outcome professionally, while developing team working skills (1-3-4)

Prerequisites:

CSCI 2510 Minimum Grade: C

Economics

ECON 2105 - Principles of Macroeconomics

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: General Business

This principles of economics course is intended to introduce students to concepts that will enable them to understand and analyze economic aggregates and evaluate economic policies. (3-0-3)

ECON 2105H - Principles of Economics-Honors

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: History

This course is intended to introduce student to concepts that will enable them to understand and analyze economic aggregates and evaluate economic policies. This section is for students participating in the GSW Honors Program. (3-0-3)

ECON 2105S - Prin Macroeconomics-Stdy Abrod

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: General Business

This principles of economics course is intended to introduce student to concepts that will enable them to understand and analyze economic aggregates and evaluate economic policies. Taken as part of a study abroad experience. (3-0-3)

ECON 2106 - Principles of Microeconomics**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** General Business

This principles of microeconomics course is intended to introduce students to concepts that will enable them to understand and analyze alternative market structures, market failure, and appropriate market interventions by government. (3-0-3)

Prerequisites:

(ECON 2105 Minimum Grade: C or ECO 205 Minimum Grade: C or ECON 2105H Minimum Grade: C)

ECON 2106H - Prin of Microeconomics Honors**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** General Business

This principles of microeconomics course is intended to introduce students to concepts that will enable them to understand and analyze alternative market structures, market failure, and appropriate market interventions by government. (3-0-3)

Prerequisites:

(ECON 2105 Minimum Grade: C or ECON 2105H Minimum Grade: C)

ECON 2106S - Prin Microeconomics-Study Abr**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** General Business

This principles of microeconomics course is intended to introduce students to concepts that will enable them to understand and analyze alternative market structures, market failure, and appropriate market interventions by government. Taken as part of a study abroad experience.

ECON 3510 - Money and Banking**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** General Business

Monetary theories and role of banking institutions in capital formation, price determination, interest rates, and discount policies. (3-0-3) May not be enrolled in one of the following Class(es): Freshman.

Prerequisites:

(ECON 2105 Minimum Grade: C or ECO 205 Minimum Grade: C or ECON 2105H Minimum Grade: C)

ECON 4900 - Special Topics in Economics**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

A variable credit course on selected issues, problems, and literature in economics. Must have permission of the Department Chairman. (3-0-3)

Elementary Education**EDEC 3100 - Elem Education Math Methods****Credits:** 3.00**Lecture:** 2.00**College:** College of Education**Department:** Elementary Education

Activity oriented course that models the discovery approach of teaching mathematics and alternative assessment measures to monitor individual and class growth. Content will feature investigations of numbers (patterns, operations and properties), statistics-graphing, and elementary geometry. Attention also given to effective teaching practices and materials that will assist students in making the transition from student to teacher. Field experience required. (2-1-3)

Prerequisites:

EDEC 3100H - Elementary Education Math Hnr**Credits:** 3.00**Lecture:** 2.00**College:** College of Education**Department:** Elementary Education

Activity oriented course that models the discovery approach of teaching mathematics and alternative assessment measures to monitor individual and class growth. Content will feature investigations of numbers (patterns, operations and properties), statistics-graphing, and elementary geometry. Attention also given to effective teaching practices and materials that will assist students in making the transition from student to teacher. Field experience required. (2-1-3) Honors Section

Prerequisites:**EDEC 3400 - Teaching in Elementary Educ****Credits:** 3.00**Lecture:** 2.00**College:** College of Education**Department:** Elementary Education

A study of the curriculum for children in grades P-5. Topics include strategies for planning, implementing, and evaluating learning for diverse populations of children, and for creating and supporting a constructivist learning environment. Current research related to "best" practices will be included. The course requires 45 hours of field experience in which the student completes assignments relevant to the course in a P-5 grade setting. (2-3-3)

Prerequisites:**EDEC 3400H - Teaching in Elem Edu - Honors****Credits:** 3.00**Lecture:** 2.00**College:** College of Education**Department:** Elementary Education

A study of the curriculum for children in grades P-5. Topics include strategies for planning, implementing, and evaluating learning for diverse populations of children, and for creating and supporting a constructivist learning environment. Current research related to "best" practices will be included. The course requires 45 hours of field experience in which the student completes assignments relevant to the course in a P-5 grade setting. This section is for students participating in the GSW Honors Program. (2-3-3)

Prerequisites:**EDEC 3450 - Org & Manag Elem Edu Classroom****Credits:** 3.00**Lecture:** 2.00**College:** College of Education**Department:** Elementary Education

The course will acquaint students with standards and skills for organizing and managing classrooms and behavior for children of diverse developmental levels, abilities, ethnicity, culture, language, and exceptionalities in grades P-5. The course requires 45 hours of field experience in which the student completes assignments relevant to the course in a P-5 grade setting. (2-3-3)

Prerequisites:**EDEC 3450H - Org & Manag Elem Ed Class Hnr****Credits:** 3.00**Lecture:** 2.00**College:** College of Education**Department:** Elementary Education

The course will acquaint students with standards and skills for organizing and managing classrooms and behavior for children of diverse developmental levels, abilities, ethnicity, culture, language, and exceptionalities in grades P-5. The course requires 45 hours of field experience in which the student completes assignments relevant to the course in a P-5 grade setting. (2-3-3)

EDEC 3600 - Inquiry & Self Express in Elem**Credits:** 3.00**Lecture:** 2.00**College:** College of Education**Department:** Elementary Education

Course content is focused on ways to support the development of skills in research, expository and creative writing, and other forms of self-expression. Techniques for assessing the development and achievement of inquiry and self-expression are included. Field experience required. (2-2-3)

Prerequisites:**EDEC 3600H - Inquiry & Self Expression-Hrs****Credits:** 3.00**Lecture:** 2.00**College:** College of Education**Department:** Elementary Education

Course content is focused on ways to support the development of skills in research, expository and creative writing, and other forms of self-expression. Techniques for assessing the development and achievement of inquiry and self-expression are included. Field experience required. This section is for students participating in the GSW Honors Program. (2-2-3)

Prerequisites:**EDEC 3650 - Integrated Elem Educ Curr****Credits:** 3.00**Lecture:** 2.00**College:** College of Education**Department:** Elementary Education

The course introduces innovative strategies such as thematic units and project learning as vehicles to integrate into early childhood curriculum and address diverse learning needs in the elementary school classroom. Planning, implementing, and assessing integrated instruction and learning will be presented. Emphasis is on developing knowledge of and skills about the relationships across content area standards. The course requires 30 hours of field experience in which the student completes assignments relevant to the course in a P-5 grade classroom. (2-2-3)

Prerequisites:**EDEC 3650H - Integrated Elem Ed Curri-Honor****Credits:** 3.00**Lecture:** 2.00**College:** College of Education**Department:** Elementary Education

The course introduces innovative strategies such as thematic units and project learning as vehicles to integrate into early childhood curriculum and address diverse learning needs in the elementary school classroom. Planning, implementing, and assessing integrated instruction and learning will be presented. Emphasis is on developing knowledge of and skills about the relationship across content area standards. The course required 30 hours of field experience in which the student completes assignments relevant to the course in a P-5 grade classroom. This section is for students participating in the GSW Honors Program. (2-2-3)

EDEC 4200 - Science for Elem Educ Educ**Credits:** 3.00**Lecture:** 2.00**College:** College of Education**Department:** Elementary Education

This course is designed to develop basic science knowledge, concepts, and skills and incorporate them into learning experiences for young children in grades P-5. The content is drawn from a wide range of science topics. Emphasis is placed on student involvement in science and learning experiences. Field experience required. (2-1-3)

Prerequisites:

EDEC 4200H - Science in Elem Edu - Honors**Credits:** 3.00**Lecture:** 2.00**College:** College of Education**Department:** Elementary Education

This course is designed to develop basic science knowledge, concepts, and skills and incorporate them into learning experiences for young children in grades P-5. The content is drawn from a wide range of science topics. Emphasis is placed on student involvement in science and learning experiences. Field experience required. This section is for students participating in the GSW Honors Program. (2-1-3)

EDEC 4250 - Social Studies for Elem Educ**Credits:** 3.00**Lecture:** 2.00**College:** College of Education**Department:** Elementary Education

This course is a study of the social curriculum for children in grades P-5. Objectives, concepts, content, techniques, materials, methods of inquiry, and evaluative procedures for teaching and learning in the primary grades are emphasized. A foundation for the use of the social sciences to support learning and the integration of content across the curriculum will be provided. Field experience required. (2-1-3)

Prerequisites:**EDEC 4250H - Soc Stud for Elem Edu - Honors****Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Elementary Education

This course is a study of the social curriculum for children in grades P-5. Objectives, concepts, content, techniques, materials, methods of inquiry, and evaluative procedures for teaching and learning in the primary grades are emphasized. A foundation for the use of the social sciences to support learning and the integration of content across the curriculum will be provided. Field experience required. This section is for students participating in the GSW Honors Program. (2-1-3)

EDEC 4550 - Assessment in Elem Educ**Credits:** 3.00**Lecture:** 2.00**College:** College of Education**Department:** Elementary Education

A study of appropriate strategies for assessing the learning of young children. Formal assessment strategies, authentic assessment strategies, and teacher-developed strategies are introduced. The role of assessment in accountability within the context of child and school evaluation is examined. Field experience required. (2-2-3)

Prerequisites:**EDEC 4950 - Elem Edu Opening School Exp****Credits:** 0.00**Lecture:** 0.00**College:** College of Education**Department:** Education**EDEC 4970 - Student Teaching Elem Educ****Credits:** 3.00**Lecture:****College:** College of Education**Department:** Elementary Education

Observations and teaching with emphasis on content knowledge under the direction of an approved cooperating teacher in selected kindergarten and early elementary schools. A seminar component is included. (0-11-3)

Corequisites:

EDEC 3600, EDEC 4980, EDEC 4990

Prerequisites:

EDEC 4980 - Student Teaching Elem Educ**Credits:** 3.00**Lecture:****College:** College of Education**Department:** Elementary Education

Observations and teaching with emphasis on teaching skills under the direction an approved cooperating teacher in selected kindergarten and early elementary schools. A seminar component is included. (0-11-3)

Corequisites:

EDEC 4970, EDEC 4990

Prerequisites:**EDEC 4990 - Student Teaching Elem Edu****Credits:** 3.00**Lecture:****College:** College of Education**Department:** Elementary Education

Observations and teaching with emphasis on professionalism under the direction of an approved cooperating teacher in selected kindergarten and early elementary schools. A seminar component is included. (0-11-3)

Corequisites:

EDEC 4970, EDEC 4980

Prerequisites:**Middle Grades Education****EDMG 3020 - Middle Grades Learner-Philos****Credits:** 5.00**Lecture:** 3.00**College:** College of Education**Department:** Middle Grades Education

A survey of the history, philosophy, and organization of the middle school, and a comprehensive examination of the early adolescent learner in relation to learning and developmental theories. Extensive field experiences include observations and implementations of lessons for the middle school learner in area middle school. (3-5-5)

Prerequisites:**EDMG 3030 - MG Lang Arts Assess-Applicat****Credits:** 5.00**Lecture:** 3.00**College:** College of Education**Department:** Middle Grades Education

A course designed for pre-service teachers of children in grades four through eight, and those interested in providing optimal language development for effective communication of adolescents. Field experience required. (3-5-5)

Prerequisites:**EDMG 3060 - MG Science I Assess-Applic****Credits:** 5.00**Lecture:** 3.00**College:** College of Education**Department:** Middle Grades Education

A course designed to develop basic science knowledge, concepts and skills and incorporate them into activities for Middle Grades level science classes. The content is drawn from a wide range of science topics. Emphasis is placed on student involvement in science and activities. Field experience required. (3-5-5)

Prerequisites:

EDMG 3100 - MG Math Assess-Applic**Credits:** 5.00**Lecture:** 3.00**College:** College of Education**Department:** Middle Grades Education

Activity oriented course that models the discovery approach of teaching and mathematics and alternative assessment measures to monitor individual and class growth. Content will feature investigations of numbers (patterns, operations and properties), probability and statistics, and elementary geometry. Attention is also given to effective teaching practices and materials that will assist students in making the transition from student to teacher. Field experience required. (3-5-5)

Prerequisites:**EDMG 3100H - MG Math Assess-Applic Hhrs****Credits:** 5.00**Lecture:** 3.00**College:** College of Education**Department:** Middle Grades Education

Activity oriented course that models the discovery approach of teaching and mathematics and alternative assessment measures to monitor individual and class growth. Content will feature investigations of numbers (patterns, operations and properties), probability and statistics, and elementary geometry. Attention is also given to effective teaching practices and materials that will assist students in making the transition from student to teacher. Field experience required. Honors section (3-5-5)

Prerequisites:**EDMG 4050 - MG Soc Stud Assessm-Applica****Credits:** 5.00**Lecture:** 3.00**College:** College of Education**Department:** Middle Grades Education

A study of the social studies curriculum with emphasis on the program in grades 4-8. Objectives, concepts, content, techniques and material, methods of inquiry, and evaluative procedure for appropriate grade levels are stressed. Field experience required. (3-5-5)

Prerequisites:**EDMG 4950 - MG Opening School Exp****Credits:** 0.00**Lecture:****College:** College of Education**Department:** Education

Opening School Experience (OSE) is the initial component of the student teaching clinical experience. Student teachers will attend all pre-planning days and the entire first week of instruction at the site of his/her fall or spring student teaching placement. The OSE will provide the student teacher with the procedures, rules, and organization of the school and classroom in which he/she will student teach.

EDMG 4970 - Student Teaching Mid Grades**Credits:** 3.00**Lecture:****College:** College of Education**Department:** Middle Grades Education

Observations and teaching with emphasis on content knowledge under the direction of an approved cooperating teacher in selected middle schools. A seminar component is included. (0-10-3)

Corequisites:

EDMG 4980, EDMG 4990, EDUC 4620

Prerequisites:

EDMG 4980 - Student Teaching Mid Grades**Credits:** 3.00**Lecture:****College:** College of Education**Department:** Middle Grades Education

Observations and teaching with emphasis on teaching skills under the direction of an approved cooperating teacher in selected middle schools. A seminar component is included. (0-10-3)

Corequisites:

EDMG 4970, EDMG 4990, EDUC 4620

Prerequisites:**EDMG 4990 - Student Teaching Mid Grades****Credits:** 3.00**Lecture:****College:** College of Education**Department:** Middle Grades Education

Observations and teaching with emphasis on professionalism under the direction of an approved cooperating teacher in selected middle schools. A seminar component is included. (0-10-3)

Corequisites:

EDMG 4970, EDMG 4980, EDUC 4620

Prerequisites:**Reading Education****EDRG 3020 - Language Arts****Credits:** 3.00**Lecture:** 2.00**College:** College of Education**Department:** Education

The study of communication skills with emphasis on reading, writing, speaking, and listening, as well as language history, grammar, and usage for pre-service teachers in grades P-5. Emphasis on varied instructional strategies, materials, and assessment methods. Field experience required. (2-1-3)

Prerequisites:**EDRG 3020H - Language Arts Honors****Credits:** 3.00**Lecture:** 2.00**College:** College of Education**Department:** Education**EDRG 3040 - Introduction to Reading****Credits:** 3.00**Lecture:** 2.00**College:** College of Education**Department:** Education

An introductory course in the reading skills, methods, and materials for grades P-12. Field experience required. (2-1-3)

Prerequisites:**EDRG 3060 - Content Literacy****Credits:** 3.00**Lecture:** 2.00**College:** College of Education**Department:** Education

A course that focuses on fostering middle and secondary students' reading, writing, and study skills in various subject areas. Strategies for effective use of textual materials across the curriculum are emphasized. Additionally, diagnosis and remediation strategies are introduced. Field experience required. (2-3-3)

Prerequisites:

EDRG 3160 - Strat Tchg Early Literacy**Credits:** 3.00**Lecture:****College:** College of Education**Department:** Education

This course focuses on the theoretical basis needed for teaching students how to read and write, birth through 2nd grade. Research-based pedagogy and effective assessment and remediation techniques are emphasized.

Topics include, but are not limited to, emergent literacy, phonemic awareness, phonics, and fluency. Observation and application with attention to meeting the literacy needs of diverse learners is also stressed.

Prerequisites:**EDRG 3260 - Strat Tchg Intermediate Litera****Credits:** 3.00**Lecture:****College:** College of Education**Department:** Education

This courses focuses on the theoretical basis needed for fostering students' ability to learn from their reading and writing, grades 3-5. Research-based pedagogy and effective assessment and remediation techniques are emphasized.

Topics include, but are not limited to, vocabulary, comprehension strategies, content learning, and fluency. Observation and application with attention to meeting the literacy needs of diverse learners is also stressed.

Prerequisites:**EDRG 3280 - Literature for Children****Credits:** 3.00**Lecture:** 2.00**College:** College of Education**Department:** Reading

A study of contemporary and traditional literature for children. A critical exploration of literature emphasizing helping young readers make inferences, make connections, and draw conclusions. In addition, the selection and evaluation of books and other texts and ways to involve children in analyzing literature selections are addressed.

Field experience required. (2-1-3)

Prerequisites:**EDRG 4100 - Analays-Corr Read Disabilities****Credits:** 3.00**Lecture:** 2.00**College:** College of Education**Department:** Education

A study in diagnostic-prescriptive reading instruction. Emphasis is on the use of varied diagnostic instruments, instructional procedures, and materials appropriate for use with readers requiring remediation. Field experience required. (2-1-3)

Prerequisites:**Secondary Education****EDSC 4060 - Engl Pedagogy Assess-Applica****Credits:** 5.00**Lecture:** 3.00**College:** College of Education**Department:** Secondary Education

A pre-service course giving special emphasis to theory and practice in teaching English in secondary schools.

Special emphases of the course include the following: planning, selecting, and evaluating instructional materials; classroom management, group interaction, and discipline; evaluating and reporting on pupil progress; and performing other instructional duties related to high school teaching. This course includes an assessment component and extensive field experience in the secondary English classroom. Recommended immediately prior to Student Teaching. (3-8-5)

Prerequisites:

EDSC 4060H - Engl Pedagogy Assess-App-Hnrs**Credits:** 5.00**Lecture:** 3.00**College:** College of Education**Department:** Secondary Education

See course description for EDSC 4060. This section is for students participating in the GSW Honors Program. (3-8-5)

EDSC 4080 - Math Pedagogy Assess-Applica**Credits:** 5.00**Lecture:** 3.00**College:** College of Education**Department:** Secondary Education

An analysis of mathematical content of grades 6-12, its organization, and presentation. Factors and activities contributing to the learning of this mathematical content will be covered. Math lab equipment, calculators, and computers will be utilized. Assessment will be a major component. Designed for secondary mathematics teachers. Recommended immediately prior to student teaching. Field Experience required. (3-8-5)

Prerequisites:**EDSC 4100 - Hist Pedagogy Assess-Applica****Credits:** 5.00**Lecture:** 3.00**College:** College of Education**Department:** Secondary Education

A course designed to develop instructional skills in the secondary history classroom. This course includes an assessment component and extensive field experience in the secondary history classroom. Offered every Fall semester. (3-8-5)

Prerequisites:**EDSC 4950 - Sec Ed Opening School Exp****Credits:** 0.00**Lecture:****College:** College of Education**Department:** Education

Opening School Experience (OSE) is the initial component of the student teaching clinical experience. Student teachers will attend all pre-planning days and the entire first week of instruction at the site of his/her fall or spring student teaching placement. The OSE will provide the student teacher with the procedures, rules and organization of the school and classroom in which he/she will student teach.

EDSC 4970 - Student Teaching in Secondary**Credits:** 3.00**Lecture:****College:** College of Education**Department:** Secondary Education

Observations and teaching with emphasis on content knowledge under the direction of an approved cooperating teacher in selected secondary schools. A seminar component is included. (0-12-3)

Corequisites:

EDSC 4980, EDSC 4990, EDUC 4620

Prerequisites:**EDSC 4980 - Student Teaching in Secondary****Credits:** 3.00**Lecture:****College:** College of Education**Department:** Secondary Education

Observations and teaching with emphasis on teaching skills under the direction of an approved cooperating teacher in selected secondary schools. A seminar component is included. (0-12-3)

Corequisites:

EDSC 4970, EDSC 4990, EDUC 4620

Prerequisites:

EDSC 4990 - Student Teaching in Secondary

Credits: 3.00

Lecture:

College: College of Education

Department: Secondary Education

Observations and teaching with emphasis on professionalism under the direction of an approved cooperating teacher in selected secondary schools. A seminar component is included. (0-12-3)

Corequisites:

EDSC 4970, EDSC 4980, EDUC 4620

Prerequisites:

Special Education

EDSP 2130 - Tchng Ind w Severe-Prof Dis

Credits: 3.00

Lecture: 2.00

College: College of Education

Department: Special Education

A study of the characteristics, nature, and education of individuals with severe/profound disabilities. Course includes materials and methods for teaching intellectually disabled, emotionally disturbed, physically disabled, and multi-disabled individuals. Field experience required. (2-1-3)

EDSP 2130H - Tchng Ind w/Severe-Prof Dis-hr

Credits: 3.00

Lecture: 2.00

College: College of Education

Department: Special Education

EDSP 2990 - Prof Legal-Eth of Special Ed

Credits: 1.00

Lecture: 1.00

College: College of Education

Department: Special Education

Explores the teacher's commitment to local, state and national professional organizations. Required of all Special Education majors. May be repeated for credit. Professional standards, ethics, and teacher dispositions are emphasized. (1-0-1)

EDSP 3000 - The Exceptional Student

Credits: 3.00

Lecture: 2.00

College: College of Education

Department: Special Education

A study of the identification, characteristics, and educational needs of exceptional learners from preschool to adulthood. The course includes appropriate learning environments and current best practices for the education of all learners. Field experience required. (2-1-3)

Prerequisites:

EDSP 3000H - The Exceptional Student-Hnr

Credits: 3.00

Lecture: 2.00

College: College of Education

Department: Special Education

A study of the identification, characteristics, and educational needs of exceptional learners from preschool to adulthood. The course includes appropriate environments and current best practices for the education of all learners. Field experience is required. (2-1-3)

EDSP 4051 - Inclusion-Collaborative Stra**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Special Education

Methods for effective inclusion and models for collaboration and co-teaching in interrelated special education settings. Includes techniques for locating and utilizing appropriate community resources to increase support and services for individuals with disabilities and their families. (3-0-3)

Prerequisites:**EDSP 4060 - Acquisition-Dev of Language****Credits:** 3.00**Lecture:** 2.00**College:** College of Education**Department:** Special Education

A study of the speech and language development of individuals from birth to adolescence with emphasis on normal language development and possible deviations demonstrated by pupils with disabilities. Diagnostic instruments with implications for educational methods, materials, and communication techniques are studied. Field experience required. (2-3-3)

Prerequisites:**EDSP 4060H - Acquisition-Dev of Language Hr****Credits:** 3.00**Lecture:** 2.00**College:** College of Education**Department:** Special Education**EDSP 4110 - Nature of Intellectual Disabil****Credits:** 3.00**Lecture:** 2.00**College:** College of Education**Department:** Special Education

Social, emotional, and cognitive characteristics and education of individuals with intellectual disabilities. Field experience required. (2-1-3)

Prerequisites:**EDSP 4210 - Nature of Behavior Disorders****Credits:** 3.00**Lecture:** 2.00**College:** College of Education**Department:** Special Education

Social, emotional and cognitive characteristics of individuals with behavior disorders. Field experience required. (2-1-3)

Prerequisites:**EDSP 4310 - Nature of Learning Disabil****Credits:** 3.00**Lecture:** 2.00**College:** College of Education**Department:** Special Education

Social, emotional, and cognitive characteristics of individuals with specific learning disabilities. Field experience required. (2-1-3)

Prerequisites:

EDSP 4410 - Iden & Asses Autism Spec Disor**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Special Education

This course is designed to provide the class participants with the knowledge and skills necessary to critically analyze the current and best practices in place for the assessment of individuals with an Autism Spectrum Disorder (ASD). This course will also explore the historical foundations and classic studies of ASD and the impact of autism spectrum disorder on the learner and the least restrictive learning environment(s). The students will research and implement social, educational, emotional, behavioral, sensory and language assessment tools to gain a better understanding of ASD (3-0-3)

Prerequisites:**EDSP 4420 - Class & Beh Strat for Autism****Credits:** 3.00**Lecture:** 2.00**College:** College of Education**Department:** Special Education

This course is designed to provide the class participants with the knowledge and skills necessary to critically analyze, select and adapts the research based and best practices in place for the management of the classroom environment and individual behaviors for students on the Autism Spectrum Disorder. It will explore functional behavioral assessments and the development of behavioral intervention plans for students on the Autism Spectrum Disorder to be able to participate in safe, inclusive and culturally responsive learning environments. (3-0-3)

Prerequisites:**EDSP 4430 - Plan & Tchg for Autism Spec****Credits:** 3.00**Lecture:****College:** College of Education**Department:** Special Education

This course is designed to provide the class participants with the knowledge and skills necessary to critically analyze, select and adapt the research based and best practices in place for educating students on the Autism Spectrum Disorder. It will explore the areas of social, educational, emotional, behavioral, and sensory and language to gain a better understanding of Autism Spectrum Disorder to assist in planning and implementing future instructional practices in safe, inclusive and culturally responsive learning environments. (3-0-3)

EDSP 4510 - Assess of Learners w Disabil**Credits:** 3.00**Lecture:** 2.00**College:** College of Education**Department:** Special Education

Educational and adaptive behavior assessment of pupils with disabilities. Emphasis on basic measurement concepts and procedures for the administration of informal, standardized, and curriculum-based assessment instruments. Field experience required. (2-3-3)

Prerequisites:**EDSP 4520 - Special Ed Block Internship****Credits:** 3.00**Lecture:** 2.00**College:** College of Education**Department:** Special Education

Supervised internship in public school special education settings. Emphasis on applying knowledge of content in order to plan and implement curriculum; use effective principles of methodology, behavior management, and professionalism under the supervision of certified in-service teachers and a university supervisor. (0-8-3)

Prerequisites:

EDSP 4550 - Assistive Technology**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Special Education

Survey of current assistive technology available for use to improve the physical, social, communication, and learning abilities of individuals with disabilities. Techniques for the effective use of technology to provide effective individualization, evaluation, scheduling, and inclusion of pupils with disabilities. (3-0-3)

Prerequisites:**EDSP 4610 - Effective Instr for Mild Disab****Credits:** 3.00**Lecture:** 2.00**College:** College of Education**Department:** Special Education

Application of research-based instructional methods and best practices for individuals with mild disabilities. Field experience required. (2-3-3)

Prerequisites:**EDSP 4620 - Classroom-Beh Mgt for Disabil****Credits:** 3.00**Lecture:** 2.00**College:** College of Education**Department:** Special Education

Classroom and behavior management procedures and techniques based on principles of applied behavior analysis. Emphasis on strategies that promote effective learning, increase achievement, and improve pro-social behavior. Field experience required. (2-1-3)

Prerequisites:**EDSP 4950 - SpEd Opening School Exp****Credits:** 0.00**Lecture:****College:** College of Education**Department:** Education

Opening School Experience (OSE) is the initial component of the student teaching clinical experience. Student teachers will attend all pre-planning days and the entire first week of instruction at the site of his/her fall or spring student teaching placement. The OSE will provide the student teacher with the procedures, rules, and organization of the school and classroom in which he/she will student teach.

EDSP 4970 - Student Teaching Special Edu**Credits:** 3.00**Lecture:****College:** College of Education**Department:** Special Education

Observations and teaching with emphasis on content knowledge under the direction of an approved cooperating teacher in the field of intended certification. A seminar component is included. (0-10-3)

Corequisites:

EDSP 4980, EDSP 4990

Prerequisites:**EDSP 4980 - Student Teaching Special Edu****Credits:** 3.00**Lecture:****College:** College of Education**Department:** Special Education

Observations and teaching with emphasis on teaching skills under the direction of an approved cooperating teacher in the field of intended certification. A seminar component is included. (0-10-3)

Corequisites:

EDSP 4970, EDSP 4990

Prerequisites:

EDSP 4990 - Student Teaching Special Edu

Credits: 3.00

Lecture:

College: College of Education

Department: Special Education

Observations and teaching with emphasis on professionalism under the direction of an approved cooperating teacher in the field of intended certification. A seminar component is included. (0-10-3)

Corequisites:

EDSP 4970, EDSP 4980

Prerequisites:

Education - General

EDUC 2115 - Mathematics & Science Instruct

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Education

The focus of this course is to provide integrated mathematics and science instructional strategies for future teachers (grades P-12). An emphasis will be placed on the roles of planning and implementation of these strategies with individuals with mild disabilities. (3-0-3)

EDUC 2120 - Explr Socio-Cult Per Div in Ed

Credits: 3.00

Lecture: 2.00

College: College of Education

Department: Education

Given the rapidly changing demographics in Georgia and the United States, this course is designed to equip future teachers with the fundamental knowledge of understanding culture and teaching children from diverse backgrounds. Specifically, this course is designed to examine: (1) the nature and function of culture; (2) the development of individual and group cultural identity; (3) definitions and implications of diversity; and (4) the influences of culture on learning, development, and pedagogy. Field Experience Required. (2-1-3)

EDUC 2130 - Exploring Learning & Teaching

Credits: 3.00

Lecture: 2.00

College: College of Education

Department: Education

This course is designed to explore key aspects of learning and teaching through examining learning processes with the goal of applying knowledge to enhance the learning of all students in a variety of educational settings and contexts. Field Experience Required. (2-1-3)

EDUC 2130H - Exploring Learning & Teaching

Credits: 3.00

Lecture: 2.00

College: College of Education

Department: Education

This course is designed to explore key aspects of learning and teaching through examining learning processes with the goal of applying knowledge to enhance the learning of all students in a variety of educational settings and contexts. Field experience required (2-1-3)

EDUC 3200 - Instructional Tech-Media

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Education

An introduction to a wide range of computer based instructional media materials and equipment available for classroom use. The course focuses on the development of skills needed for effective instructional media production, applications and utilization. Candidates begin production of on-line portfolios. Course fulfills requirements of the Georgia Technology Standards for Educators. (3-0-3)

Prerequisites:

EDUC 3330 - Art and Science of Teaching

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Education

The course presents a model for quality teaching that balances the necessity of research-based data with the equally vital need to understand the strengths and weaknesses of each student. This course will not meet the criteria for teacher certification. (3-0-3)

EDUC 3400 - Learner in Multicultural Conte

Credits: 3.00

Lecture: 2.00

College: College of Education

Department: Education

This course focuses on the application of the knowledge of growth and development of P-12 students with a multicultural school setting. In addition, the course examines various theories of learning, including cognitive, constructivist, behaviorist and social/cultural. It explores the influences of these theories on how humans as individuals and social beings learn, and their implications for structuring teaching and learning activities in P-12 classrooms. Through planned field experiences, teacher candidates will apply course information to diverse classroom settings. (2-2-3)

Prerequisites:

EDUC 4000 - Senior Seminar in Teaching

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Education

A seminar for seniors in education on selected topics of classroom management, application, research and techniques. (3-0-3)

Prerequisites:

EDUC 4150 - Prob in Classroom Management

Credits: 1.00 TO 3.00

Lecture: 1.00 TO 3.00

College: College of Education

Department: Education

A study of classroom problems and effective management techniques. May be repeated for credit. (1-0-1 or 2-0-2 or 3-0-3)

Prerequisites:

EDUC 4400 - PE Materials and Methods

Credits: 4.00

Lecture: 3.00

College: College of Education

Department: Education

A course designed to present materials and instructional methods which will help pre-service teachers of physical education gain an in-depth understanding of the teaching process related to P-12 teaching. Directed observation in the public schools is required. (3-4-4)

Prerequisites:

EDUC 4620 - Classroom/Behavior Mgt**Credits:** 3.00**Lecture:** 2.00**College:** College of Education**Department:** Education

Classroom and behavior management procedures and techniques based on principles of applied behavior analysis. Emphases on strategies that promote effective learning, increase achievement, and improve pro-social behavior. Field experience required. (2-1-3)

Prerequisites:**EDUC 4950 - P-12 Opening School Exp****Credits:** 0.00**Lecture:****College:** College of Education**Department:** Education

Opening School Experience (OSE) is the initial component of the student teaching clinical experience. Student teachers will attend all pre-planning days and the entire first week of instruction at the site of his/her fall or spring student teaching placement. The OSE will provide the student teacher with the procedures, rules, and organization of the school and classroom in which he/she will student teach.

EDUC 4960 - Practicum in Grades P-12**Credits:** 3.00**Lecture:****College:** College of Education**Department:** Education

A supervised field experience for children in grades P-12. (0-8-3)

Corequisites:

EDUC 4970, EDUC 4980, EDUC 4990

Prerequisites:**EDUC 4970 - Student Teaching in P-12****Credits:** 3.00**Lecture:****College:** College of Education**Department:** Education

Observations and teaching with emphasis on content knowledge under the direction of an approved cooperating teacher in selected elementary, middle and secondary schools. A seminar component is included. A seminar component is included. (0-10-3)

Corequisites:

EDUC 4960, EDUC 4980, EDUC 4990

Prerequisites:**EDUC 4980 - Student Teaching in P-12****Credits:** 3.00**Lecture:****College:** College of Education**Department:** Education

Observations and teaching with emphasis on teaching skills under the direction of an approved cooperating teacher in selected elementary, middle and secondary schools. A seminar component is included. (0-10-3)

Corequisites:

EDUC 4960, EDUC 4970, EDUC 4990

Prerequisites:**EDUC 4990 - Student Teaching in P-12****Credits:** 3.00**Lecture:****College:** College of Education**Department:** Education

Observations and teaching with emphasis on professionalism under the direction of an approved cooperating teacher in selected elementary middle and secondary schools. A seminar component is included. (0-10-3)

Corequisites:

EDUC 4960, EDUC 4970, EDUC 4980

Prerequisites:

Elementary Education

EEDC 3100 - Elementary Education

Credits: 3.00

Lecture: 2.00

College: College of Education

Department: Elementary Education

EEDC 3100H - Elementary Education Math Hnr

Credits: 3.00

Lecture: 2.00

College: College of Education

Department: Education

EEDC 3400 - Teaching in Elementary Educ

Credits: 3.00

Lecture: 2.00

College: College of Education

Department: Elementary Education

EEDC 3400H - Teaching in Elem Educ - Honors

Credits: 3.00

Lecture: 2.00

College: College of Education

Department: Elementary Education

EEDC 3450 - Org & Manag Elem Edu Classroom

Credits: 3.00

Lecture: 2.00

College: College of Education

Department: Elementary Education

EEDC 3450H - Org & Mgmt Elem Edu Class-Hnrs

Credits: 3.00

Lecture: 2.00

College: College of Education

Department: Elementary Education

EEDC 3600 - Inquiry & Self-Express in Elem

Credits: 3.00

Lecture: 2.00

College: College of Education

Department: Elementary Education

EEDC 3600H - Inquiry & Self-Express in Elem

Credits: 3.00

Lecture: 2.00

College: College of Education

Department: Elementary Education

EEDC 3650 - Integrated Elem Educ Curriculu

Credits: 3.00

Lecture: 2.00

College: College of Education

Department: Elementary Education

EEDC 3650H - Integrated Elem Edu Curr-Honor

Credits: 3.00
Lecture: 2.00
College: College of Education
Department: Elementary Education

EEDC 4200 - Science for Elementary Educ

Credits: 3.00
Lecture: 2.00
College: College of Education
Department: Elementary Education

EEDC 4200H - Science in Elem Edu - Honors

Credits: 3.00
Lecture: 2.00
College: College of Education
Department: Elementary Education

EEDC 4250 - Social Studies for Elem Educ

Credits: 3.00
Lecture: 2.00
College: College of Education
Department: Elementary Education

EEDC 4250H - Soc Stud for Elem Educ - Hnrs

Credits: 3.00
Lecture: 2.00
College: College of Education
Department: Elementary Education

EEDC 4550 - Assessment in Elem Educ

Credits: 3.00
Lecture: 2.00
College: College of Education
Department: Elementary Education

EEDC 4550H - Assessment in Elem Educ - Hnrs

Credits: 3.00
Lecture: 2.00
College: College of Education
Department: Elementary Education

EEDC 4950 - Elem Educ - Opening School Exp

Credits: 0.00
Lecture: 0.00
College: College of Education
Department: Elementary Education

EEDC 4970 - Student Teaching in Elem Educ

Credits: 3.00
Lecture:
College: College of Education
Department: Elementary Education

EEDC 4980 - Student Teaching Elem Educ

Credits: 3.00
Lecture:
College: College of Education
Department: Elementary Education

EEDC 4990 - Student Teaching Elem Educ**Credits:** 3.00**Lecture:****College:** College of Education**Department:** Elementary Education**English****ENGL 0999 - Paired Spt for English 1101****Credits:** 1.00**Lecture:** 0.00**College:** College of Arts and Sciences**Department:** English and Modern Languages

Paired Support for English 1101 is a course designed to offer individual and group support for students identified by the English Placement Index as needing supplemental instruction in the areas of reading and writing. Course content will parallel essential skills needed to be successful in English 1101. This course carries institutional credit and will not count toward graduation. This course may be taken multiple times for credit. (0-2-1)

Corequisites:

ENGL 1101

ENGL 0999B - Co-Requisite Spt for ENGL 1101**Credits:** 1.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** English and Modern Languages**Corequisites:**

ENGL 1101

ENGL 1101 - Composition I**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Modern Languages

A composition course focusing on skills required for effective writing in a variety of contexts, with an emphasis on writing improvement. The course also seeks to strengthen critical thinking skills and the ability to read with understanding. (3-0-3)

ENGL 1101H - Honors Composition I**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Modern Languages

An Honors composition course focusing on skills required for effective writing in a variety of contexts, with emphasis on exposition, analysis, and argumentation, and also including introductory use of a variety of research skills. A grade of C is required for advancement into ENGL 1102H or ENGL 1102. This section is for students participating in the GSW Honors Program. (3-0-3)

ENGL 1102 - Composition II**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Modern Languages

A composition course that develops writing skills beyond the levels of proficiency required by ENGL 1101, that emphasizes interpretation and evaluation, and that incorporates a variety of more advanced research methods. A minimum grade of C is required. (3-0-3)

Prerequisites:

(ENGL 1101 Minimum Grade: C or ENG 101 Minimum Grade: C or ENGL 1101H Minimum Grade: C)

ENGL 1102H - Honors Composition II**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Modern Languages

An Honors composition course that develops writing skills beyond the levels of proficiency required by ENGL 1101H, that emphasizes interpretation and evaluation, and that incorporates a variety of more advanced research methods. A minimum grade of C is required. This section is for students participating in the GSW Honors Program. (3-0-3)

Prerequisites:

ENGL 1101 Minimum Grade: C or ENG 101 Minimum Grade: C or ENGL 1101H Minimum Grade: C

ENGL 2111 - World Literature I

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

A survey of important works of World Literature from the ancient world to Early Modern period. Prerequisite: ENGL 1102 passed with a grade of C or better. (3-0-3)

Prerequisites:

(ENGL 1102 Minimum Grade: C or ENG 102 Minimum Grade: C or ENGL 1102H Minimum Grade: C)

ENGL 2111H - Honors World Literature I

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

Honors World Literature I is part of a two-course sequence or option. A survey of important works of world literature from ancient times through the mid-seventeenth century.

Prerequisites:

(ENGL 1102 Minimum Grade: C or ENG 102 Minimum Grade: C or ENGL 1102H Minimum Grade: C)

ENGL 2112 - World Literature II

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

A survey of important works of World Literature from the Neoclassical period to the present. Prerequisite: ENGL 1102 passed with a grade of C or above. (3-0-3)

or ENGL 1102G Minimum Grade: C (ENGL 1102 Minimum Grade: C or ENG 102 Minimum Grade: C or ENGL 1102H Minimum Grade: C)

ENGL 2112H - Honors World Literature II

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

Part of a two-course sequence or option. A survey of important works of world literature from the mid-seventeenth century to the present.

Prerequisites:

(ENGL 1102H Minimum Grade: C or ENGL 1102 Minimum Grade: C or ENG 102 Minimum Grade: C)

ENGL 2121 - British Literature I

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

A survey of important works of British Literature from the Anglo-Saxon period to the Augustans. Prerequisite: ENGL 1102 passed with a grade of C or above. (3-0-3)

Prerequisites:

(ENGL 1102 Minimum Grade: C or ENG 102 Minimum Grade: C or ENGL 1102H Minimum Grade: C)

ENGL 2121H - British Lit I Honors

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

ENGL 2122 - British Literature II**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Modern Languages

A survey of important works of British Literature from the Romantics to the present. Prerequisite: ENGL 1102 passed with a grade of C or above. (3-0-3)

Prerequisites:

(ENGL 1102 Minimum Grade: C or ENG 102 Minimum Grade: C or ENGL 1102H Minimum Grade: C)

ENGL 2122H - British Literature II Honors**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Modern Languages

A survey of important works of British Literature from the Romantics to the present. Prerequisite: ENGL 1102 passed with a grade of C or above. Honors Section (3-0-3)

Prerequisites:

(ENGL 1102 Minimum Grade: C or ENG 102 Minimum Grade: C or ENGL 1102H Minimum Grade: C)

ENGL 2131 - American Literature I**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Modern Languages

A survey of important works of American Literature from the Colonial period to the Civil War. Prerequisite: ENGL 1102 passed with a grade of C or above. (3-0-3)

Prerequisites:

(ENGL 1102 Minimum Grade: C or ENGL 1102H Minimum Grade: C or ENG 102 Minimum Grade: C)

ENGL 2132 - American Literature II**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Modern Languages

A survey of important works of American Literature from Reconstruction to the present. Prerequisite: ENGL 1102 passed with a grade of C or above. (3-0-3)

Prerequisites:

(ENGL 1102 Minimum Grade: C or ENGL 1102H Minimum Grade: C or ENG 102 Minimum Grade: C)

ENGL 2132H - American Literature II-Honors**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Modern Languages

A survey of important works of American Literature from Reconstruction to the present. Prerequisite: ENGL 1102 passed with a grade of C or above. (3-0-3) Honors Section

Prerequisites:

ENGL 1102 Minimum Grade: C or ENGL 1102H Minimum Grade: C or ENGL 102 Minimum Grade: C

ENGL 2150 - Research and Writing**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Modern Languages

A course designed to introduce students to formal research and writing in the English major. Students learn to engage in-depth research through close study of a broad topic chosen by the instructor that crosses different fields in English studies. Students then complete one major research project with guidance from the instructor.

Prerequisite: ENGL 1102 (minimum grade of C) (3-0-3)

Prerequisites:

ENGL 1102 Minimum Grade: C

ENGL 2160 - Fantastic Literature**Credits:** 2.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** English and Modern Languages

A survey of fantasy and science-fiction across cultures from the ancient world to the present. Topics may include epic, chivalric romance, the Gothic, high fantasy, and weird fiction. Pre-requisite: ENGL 1102 (2-0-2)

Prerequisites:

ENGL 1102 Minimum Grade: C

ENGL 2200 - Intro to Professional Writing**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Modern Languages

The course is designed to help writers understand and practice writing skills as employed across the professions. Students will be asked to master basic writing conventions and publishing procedures for journalistic, technical, managerial, creative, or scientific writing. (3-0-3)

Prerequisites:

ENGL 1102 Minimum Grade: C or ENG 102 Minimum Grade: C or ENGL 1102H Minimum Grade: C

ENGL 3010 - Literature for Young Adults**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Modern Languages

A comprehensive study of young adult literature, including non-Western authors as well as literature representative of racial and ethnic groups, appropriate for students in secondary school programs, with emphasis on teaching techniques.

Prerequisites:

(ENG 201 Minimum Grade: C or ENGL 2112 Minimum Grade: C or ENG 202 Minimum Grade: C or ENGL 2110 Minimum Grade: C or ENGL 2120 Minimum Grade: C or ENGL 2130 Minimum Grade: C or ENGL 2110H Minimum Grade: C or ENGL 2120H Minimum Grade: C or ENGL 2130H Minimum Grade: C or ENGL 2121 Minimum Grade: C or ENGL 2122 Minimum Grade: C or ENGL 2131 Minimum Grade: C or ENGL 2132 Minimum Grade: C or ENGL 2140 Minimum Grade: C) and ENGL 2111 Minimum Grade: C

ENGL 3010H - Lit for Young Adults-Honors**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Modern Languages**ENGL 3100 - Intro Literary Cultural Theory****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Modern Languages

This is a writing intensive course on the development of literary theory and methodology from the New Critics to roughly the present with an emphasis on close reading, historiography and argument. Possible topics include, but are not limited to: the New Critics, reader-response theory, cultural studies, poststructuralism, new historicism, reception studies, postcolonialism, feminist/gender theory, narratology, neo-pragmatism, psychoanalysis, book history, and object oriented philosophy. Prerequisite: ENGL 2140, which may be taken concurrently. (3-0-3)

Prerequisites:

ENGL 2111 Minimum Grade: C or ENGL 2140 Minimum Grade: C

ENGL 3100H - Intro Literary Cultural Theory**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Modern Languages

ENGL 3220 - Adv Composition**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Modern Languages

A course with emphasis on writing, the nature of writing, and how individuals learn to write. The course also includes a study of research in the teaching of writing. (3-0-3)

Prerequisites:

ENGL 1102 Minimum Grade: C

ENGL 3220H - Adv Composition - Honors**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Modern Languages**Prerequisites:**

(ENGL 1102 Minimum Grade: C or ENG 102 Minimum Grade: C or ENGL 1102H Minimum Grade: C) and (ENGL 2140 Minimum Grade: C or ENGL 2140H Minimum Grade: C)

ENGL 3230H - Creative Writing - Honors**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Modern Languages**Prerequisites:**

(ENGL 2110 Minimum Grade: C or ENGL 2110H Minimum Grade: C or ENGL 2120 Minimum Grade: C or ENGL 2120H Minimum Grade: C or ENGL 2130 Minimum Grade: C or ENGL 2130H Minimum Grade: C) and ENGL 2140 Minimum Grade: C

ENGL 3240 - Technical Writing**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Modern Languages

The course focuses on career-oriented writing, with emphasis on the scientific, technological, and managerial areas. The course provides practice in various genres of writing that apply to these areas and teaches the special, technical skills needed in addition to skills in collaboration and audience analysis. (3-0-3)

Prerequisites:

(ENGL 1102 Minimum Grade: C or ENG 102 Minimum Grade: C or ENGL 1102H Minimum Grade: C or ENGL 2140 Minimum Grade: C) and ENGL 2111 Minimum Grade: C

ENGL 3250 - Writing Fiction**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Modern Languages

Writing Fiction will examine the various forms of fiction and provide practical instruction in the art and craft of creating it. Students will explore the principles and techniques of effective writing, gain an understanding of how fiction works, and learn to write, edit, and revise their own work with the overall goal of achieving artistic competence and submission-ready manuscripts. Pre-requisite: ENGL 1102 (3-0-3)

Prerequisites:

ENGL 1102 Minimum Grade: C

ENGL 3260 - Writing Nonfiction**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Modern Languages

Creative Nonfiction will examine the various forms of creative nonfiction and provide practical instruction in the methodology and craft of writing them. Students will explore the principles and techniques of effective writing, gain an understanding of the research and ethical considerations involved, and learn to write, edit, and revise their own work with the overall goal of achieving artistic competency and creating submission-ready manuscripts.

Pre-requisite: ENGL 1102, with a grade of C or better. (3-0-3)

Prerequisites:

ENGL 1102 Minimum Grade: C

ENGL 3270 - Reports, Proposals

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

Reports, Proposals, and Presentations will provide intensive preparation in composing and designing these widely practiced genres in business and professional arenas. Students will analyze and write short and long reports; proposals, including grants; and prepare and deliver a presentation. Students may be placed with an organization and write a report or a proposal. Pre-requisite: ENGL 1102 or permission of instructor. (3-0-3)

Prerequisites:

ENGL 1102 Minimum Grade: C

ENGL 3350 - The Short Story

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

A study of selected short stories with emphasis on development of interpretive and analytical skills of the student. (3-0-3)

Prerequisites:

(ENG 201 Minimum Grade: C or ENGL 2112 Minimum Grade: C or ENG 202 Minimum Grade: C or ENGL 2110 Minimum Grade: C or ENGL 2120 Minimum Grade: C or ENGL 2130 Minimum Grade: C or ENGL 2110H Minimum Grade: C or ENGL 2120H Minimum Grade: C or ENGL 2130H Minimum Grade: C or ENGL 2121 Minimum Grade: C or ENGL 2122 Minimum Grade: C or ENGL 2131 Minimum Grade: C or ENGL 2132 Minimum Grade: C or ENGL 2140 Minimum Grade: C) and ENGL 2111 Minimum Grade: C

ENGL 3380 - Song Writing and Poetry

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

Song Writing and Poetry will examine the various forms of modern and contemporary song lyrics and poetry and provide practical instruction in the art and craft of creating them. Students will explore the principles and techniques of effective writing, gain an understanding of how song lyrics and poems are structured and to what ends, and learn to write, edit, and revise their own lyrics and poetry with the overall goal of achieving artistic competency and submission-worthy manuscripts. Pre-requisite: ENGL 1102 with a grade of C or better. (3-0-3)

Prerequisites:

ENGL 1102 Minimum Grade: C

ENGL 3410 - Southern Literature

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

A study in depth of the leading figures of the Southern Literary Renaissance, with special emphasis on the social, political, and economic conditions in the post-bellum South that led to its development. (3-0-3)

Prerequisites:

ENGL 2111 Minimum Grade: C or ENGL 2112 Minimum Grade: C or ENGL 2121 Minimum Grade: C or ENGL 2122 Minimum Grade: C or ENGL 2131 Minimum Grade: C or ENGL 2132 Minimum Grade: C

ENGL 3420 - African-American Literature

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

Survey of literature by African-American writers; emphasis on major novelists, on appreciation of the main intellectual and artistic concerns of the African-American culture, and on the role of literature within that culture. (3-0-3)

Prerequisites:

ENGL 2111 Minimum Grade: C or ENGL 2112 Minimum Grade: C or ENGL 2121 Minimum Grade: C or ENGL 2122 Minimum Grade: C or ENGL 2131 Minimum Grade: C or ENGL 2132 Minimum Grade: C

ENGL 3430 - World Survey Film Narrative

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

A study of a number of major film directors, the history of film-making and its techniques, and an introduction to film theory. (3-0-3)

Prerequisites:

(ENG 201 Minimum Grade: C or ENGL 2112 Minimum Grade: C or ENG 202 Minimum Grade: C or ENGL 2110 Minimum Grade: C or ENGL 2120 Minimum Grade: C or ENGL 2130 Minimum Grade: C or ENGL 2110H Minimum Grade: C or ENGL 2120H Minimum Grade: C or ENGL 2130H Minimum Grade: C or ENGL 2140 Minimum Grade: C or ENGL 2121 Minimum Grade: C or ENGL 2122 Minimum Grade: C or ENGL 2131 Minimum Grade: C or ENGL 2132 Minimum Grade: C) and ENGL 2111 Minimum Grade: C

ENGL 3460 - Modern British Literature

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

Students will complete an in-depth study of Modernism as it emerged from the Victorian Era in Great Britain. The course will cover literature from 1901 to the present, including major authors such as Thomas Hardy, Evelyn Waugh, T.S. Eliot, Virginia Woolf and Angela Carter. Prerequisite: ENGL 2110, 2120, or 2130 and ENGL 2140 which may be taken concurrently with the course. (3-0-3)

Corequisites:

ENGL 2140

Prerequisites:

(ENGL 2120 Minimum Grade: C or ENGL 2120H Minimum Grade: C or ENGL 2121 Minimum Grade: C or ENGL 2122 Minimum Grade: C) and ENGL 2111 Minimum Grade: C

ENGL 3470 - Postcolonial World Literature

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

A survey of world literature focusing on writings of authors from the former colonial regions but also including literature in translation from throughout the world. This course will cover writers from various continents including writers from Africa, Central America, South America, the Caribbean, the Pacific Rim, India and elsewhere.

Prerequisite: (ENGL 2110 or ENGL 2120) and ENGL 2140, which may be taken concurrently. (3-0-3)

Prerequisites:

ENGL 2111 Minimum Grade: C or ENGL 2112 Minimum Grade: C or ENGL 2121 Minimum Grade: C or ENGL 2122 Minimum Grade: C or ENGL 2131 Minimum Grade: C or ENGL 2132 Minimum Grade: C

ENGL 3510 - Modern American Literature

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

Students will complete an in depth study of Modernism as it pertains to American Literature in the course. The course will cover literature from 1914-1945, including major authors like Robert Frost, William Faulkner, and Zora Neale Hurston. Prerequisite: ENGL 2130. Co-requisite: ENGL 2140 can be taken concurrently. (3-0-3)

Prerequisites:

ENGL 2111 Minimum Grade: C or ENGL 2112 Minimum Grade: C or ENGL 2121 Minimum Grade: C or ENGL 2122 Minimum Grade: C or ENGL 2131 Minimum Grade: C or ENGL 2132 Minimum Grade: C

ENGL 3520 - Postmodern Contemp Am Lit

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

Students will complete an in depth study of Postmodernism as it pertains to American literature in the course. Additionally, the students will study trends in contemporary American literature. The course will cover American literature since 1945, including literature that is representative of the ethnically diverse American landscape of the 20th century. Prerequisites: ENGL 2130. Co-requisite ENGL 2140, may be taken concurrently. (3-0-3)

Prerequisites:

ENGL 2111 Minimum Grade: C or ENGL 2112 Minimum Grade: C or ENGL 2121 Minimum Grade: C or ENGL 2122 Minimum Grade: C or ENGL 2131 Minimum Grade: C or ENGL 2132 Minimum Grade: C

ENGL 4025 - Teaching & Tutoring Writing

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

Composition Studies is a course in the theoretical and practical foundations of the teaching and study of writing.

Prerequisites: ENGL 3220, which may be taken concurrently (3-0-3).

Prerequisites:

ENGL 3220 Minimum Grade: C

ENGL 4035 - Rhetoric

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

A course that surveys histories and theories of rhetoric including rhetoric as a pedagogical tradition. Pre-requisite:

ENGL 2150 (3-0-3)

Prerequisites:

ENGL 2150 Minimum Grade: C

ENGL 4040H - Issues in Prof Writing-Honors

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

ENGL 4050 - Writing-Civic Engagement

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

Students practice, study, and produce writing for nonprofits, community organizations, and government agencies in the classroom and in a real world setting. (3-0-3)

Prerequisites:

ENGL 2200 Minimum Grade: C

ENGL 4060 - Tps Writ and Gender

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

Topics in Writing Studies and Gender is a course that explores the intersection of writing studies with the study of women, gender, and sexuality through intensive investigation of a representative topic such as feminist rhetoric, women and the history of literacy, or queer historiography. Prerequisite: ENGL 1102 with C or higher. (3-0-3)

Prerequisites:

ENGL 1102 Minimum Grade: C

ENGL 4070 - Professional Editing

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

Professional Editing is a course which introduces students to the skills, principles, and methods of editing as well as to editorial concerns and topics. It also explores various professional editorial roles and relationships among editor, writer, and texts. Prerequisite: ENGL 2150. (3-0-3)

Prerequisites:

ENGL 2150 Minimum Grade: C

ENGL 4080 - Travel Writing

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

Travel Writing is a course in using writing as an effective tool for discovering, sharing, and interpreting encounters with new people, places, and cultures. This course is taught only in conjunction with study abroad programs.

Prerequisite: ENGL 1102 with a C or higher. (3-0-3)

Prerequisites:

ENGL 1102 Minimum Grade: C

ENGL 4115 - Medieval English Literature

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

Focused study in an area of medieval English literature, such as Chaucer, Anglo-Saxon heroic poetry, or Arthurian literature. Some of the course reading will be in either Old or Middle English depending upon the specific topic of the course. (3-0-3)

Prerequisites:

ENGL 2111 Minimum Grade: C or ENGL 2112 Minimum Grade: C or ENGL 2121 Minimum Grade: C or ENGL 2122 Minimum Grade: C or ENGL 2131 Minimum Grade: C or ENGL 2132 Minimum Grade: C

ENGL 4120 - Shakespeare

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

An in-depth study of both dramatic and non-dramatic works, including comedies, tragedies, histories, and romances. Prerequisite: ENGL 2120 (3-0-3)

Prerequisites:

(ENGL 2111 Minimum Grade: C or ENG 201 Minimum Grade: C or ENGL 2112 Minimum Grade: C or ENG 202 Minimum Grade: C or ENGL 2110 Minimum Grade: C or ENGL 2120 Minimum Grade: C or ENGL 2130 Minimum Grade: C or ENGL 2110H Minimum Grade: C or ENGL 2120H Minimum Grade: C or ENGL 2130H Minimum Grade: C) and (ENGL 2121 Minimum Grade: C or ENGL 2122 Minimum Grade: C)

ENGL 4120H - Shakespeare Honors

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

ENGL 4130 - English Drama to 1642

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

English Drama to 1642 traces the development of drama from its beginnings in medieval times to the closing of the theaters by the Puritans in 1642. Shakespeare's plays are not included in this course. (3-0-3)

Prerequisites:

ENGL 2111 Minimum Grade: C or ENGL 2112 Minimum Grade: C or ENGL 2121 Minimum Grade: C or ENGL 2122 Minimum Grade: C or ENGL 2131 Minimum Grade: C or ENGL 2132 Minimum Grade: C

ENGL 4135 - Renaissance English Literature

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

In-depth study Renaissance English non-dramatic literature, such as Spenser, the sonnet, or Jacobean prose. (3-0-3)

Prerequisites:

(ENGL 2120 Minimum Grade: C or ENGL 2120H Minimum Grade: C or ENGL 2140 Minimum Grade: C) and (ENGL 2121 Minimum Grade: C or ENGL 2122 Minimum Grade: C)

ENGL 4140 - Restoration-18th Cen Eng Lit

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

This course will concentrate on the major authors of the period, with special emphasis on the works of Dryden, Swift, Pope, and Johnson. Attention will also be given to the literary and philosophical currents of the period. (3-0-3)

Prerequisites:

(ENGL 2120 Minimum Grade: C or ENGL 2120H Minimum Grade: C or ENGL 2140 Minimum Grade: C or ENGL 2121 Minimum Grade: C or ENGL 2122 Minimum Grade: C) and ENGL 2111 Minimum Grade: C

ENGL 4140H - Restoration-18th Cen Eng Lit-H

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

ENGL 4150 - Romantic Movement in England

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

This course will concentrate on the works of the major poetic figures, including Blake, Wordsworth, Coleridge, Byron, Shelley and Keats. Attention will also be given to the major aesthetic and cultural issues of the period. (3-0-3)

Prerequisites:

ENGL 2111 Minimum Grade: C or ENGL 2112 Minimum Grade: C or ENGL 2121 Minimum Grade: C or ENGL 2122 Minimum Grade: C or ENGL 2131 Minimum Grade: C or ENGL 2132 Minimum Grade: C

ENGL 4160 - Victorian Literature

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

This course will concentrate on the works of the major Victorian writers with emphasis on Tennyson, Browning and Arnold, among the major poets, with some emphasis on prose fiction and non-fiction. (3-0-3)

Prerequisites:

ENGL 2111 Minimum Grade: C or ENGL 2112 Minimum Grade: C or ENGL 2121 Minimum Grade: C or ENGL 2122 Minimum Grade: C or ENGL 2131 Minimum Grade: C or ENGL 2132 Minimum Grade: C

ENGL 4170 - Irish Literature

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

A study of major Irish writers and texts from the 18th through the 20th centuries. Poets and fiction writers who have made significant contributions to the construction of Irish literary identity will be covered. Authors discussed may include Swift, Yeats, Joyce, O'Casey, Lady Gregory, O'Brien, and Heaney. Pre-requisite: ENGL 2111, ENGL 2150. minimum grade C (3-0-3)

Prerequisites:

ENGL 2111 Minimum Grade: C or ENGL 2112 Minimum Grade: C or ENGL 2121 Minimum Grade: C or ENGL 2122 Minimum Grade: C or ENGL 2131 Minimum Grade: C or ENGL 2132 Minimum Grade: C

ENGL 4200 - Colonial-Federalist Am Lit

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

The development of American literature from its colonial beginnings through the nascent federal government; emphasis on the main/intellectual currents. (3-0-3) Pre-requisites: ENGL 2110, ENGL 2120, or ENGL 2130.

Prerequisites:

(ENGL 2130 Minimum Grade: C or ENGL 2130H Minimum Grade: C or ENGL 2140 Minimum Grade: C or ENGL 2131 Minimum Grade: C or ENGL 2132 Minimum Grade: C) and ENGL 2111 Minimum Grade: C

ENGL 4210 - Romanticism in Amer Literature

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

The Romantic era is explored, including anta bellum literature, abolitionist literature, and transcendental literature. (3-0-3)

Prerequisites:

ENGL 2111 Minimum Grade: C or ENGL 2112 Minimum Grade: C or ENGL 2121 Minimum Grade: C or ENGL 2122 Minimum Grade: C or ENGL 2131 Minimum Grade: C or ENGL 2132 Minimum Grade: C

ENGL 4210H - Romanticism in Amer Lit-Honors

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

ENGL 4220 - Realism in American Literature

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

The prose of major authors, with special emphasis on the growth of the novel in America and conditions which fostered the growth of realism and its further development into naturalism will be studied. (3-0-3)

Prerequisites:

(ENGL 2130 Minimum Grade: C or ENGL 2130H Minimum Grade: C or ENGL 2140 Minimum Grade: C or ENGL 2131 Minimum Grade: C or ENGL 2132 Minimum Grade: C) and ENGL 2111 Minimum Grade: C

ENGL 4300 - Risk and Crisis Comm

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

Risk and Crisis Communication will examine theories, principles, and strategies for effective risk and crisis communication. A range of risk and crisis communication topics involving health, environment, safety, and organizational reputation will be covered. Prerequisite: ENGL 2150 or permission of instructor. (3-0-3)

Prerequisites:

ENGL 2150 Minimum Grade: C

ENGL 4310 - Communication in Organizations

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

Communicating in Organizations: a course that will help students see composing as a strategic factor within organizations that plays a critical role in their success. It examines oprganizational communication, which concerns itself with processes and systems affecting organizations, including business, nonprofit, government, and others. It will also examine internal communications, which helps organizations effectively communicate with and motivate their employees. Prerequisite: ENGL 2150 or permission of instructor. (3-0-3)

Prerequisites:

ENGL 2150 Minimum Grade: C

ENGL 4360 - Prose Style

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

Prose Style is a course in the study and development of prose style and stylistic techniques across various media with special attention to the written word. Prerequisite: ENGL 2150 with a minimum grade of a C. (3-0-3)

Prerequisites:

ENGL 1102 Minimum Grade: C

ENGL 4930 - Special Topics in Women's Lit

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

A seminar on a major author, or authors, movement, or theme in women's literature. (3-0-3)

Prerequisites:

ENGL 2111 Minimum Grade: C or ENGL 2112 Minimum Grade: C or ENGL 2121 Minimum Grade: C or ENGL 2122 Minimum Grade: C or ENGL 2131 Minimum Grade: C or ENGL 2132 Minimum Grade: C

ENGL 4940 - Special Topics in Lit-Lang

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

A seminar on a major author(s), or theme in English studies not offered in the present catalogue of courses. (3-0-3)

Prerequisites:

(ENG 201 Minimum Grade: C or ENGL 2112 Minimum Grade: C or ENG 202 Minimum Grade: C or ENGL 2110 Minimum Grade: C or ENGL 2120 Minimum Grade: C or ENGL 2130 Minimum Grade: C or ENGL 2110H Minimum Grade: C or ENGL 2120H Minimum Grade: C or ENGL 2130H Minimum Grade: C or ENGL 2121 Minimum Grade: C or ENGL 2122 Minimum Grade: C or ENGL 2131 Minimum Grade: C or ENGL 2132 Minimum Grade: C) and ENGL 2111 Minimum Grade: C

ENGL 4965 - Senior Capstone Seminar

Credits: 2.00

Lecture: 2.00

College: College of Arts and Sciences

Department: English and Modern Languages

Senior Capstone Seminar for majors in the final year of study. Prerequisites: ENGL 2111, ENGL 2150, ENGL 3100, ENGL 3220. (2-0-2)

Prerequisites:

(ENGL 2112 Minimum Grade: C or ENGL 2110 Minimum Grade: C or ENGL 2120 Minimum Grade: C or ENGL 2130 Minimum Grade: C or ENGL 2121 Minimum Grade: C or ENGL 2122 Minimum Grade: C or ENGL 2131 Minimum Grade: C or ENGL 2132 Minimum Grade: C) and (ENGL 2111 Minimum Grade: C and ENGL 3100 Minimum Grade: C) and ENGL 3220 Minimum Grade: C

ENGL 4980 - INTERN IN PRWR

Credits: 3.00

Lecture:

College: College of Arts and Sciences

Department: English and Modern Languages

Practical experience in writing, editing, tutoring writing, public relations, and/or writing center administration. This course is repeatable for up to 6 credit hours. Prerequisite: ENGL 3220 (0-10-3)

Prerequisites:

ENGL 3220 Minimum Grade: C

Engineering

ENGR 1103 - Pr. Eng. Analysis & Design

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Geology and Physics

In this course, the field of engineering is introduced by an elementary presentation of the principles of engineering sciences such as mechanics, thermodynamics, electric circuits as well as economic analysis. Students will get an early exposure in the engineering problem statement and approach engineers adopt to arrive at the "best" and most cost effective solution in an ethical manner. Course requirement for different engineering disciplines will be discussed to help students choose the specific field they are interested in. (3-0-3)

Prerequisites:

MATH 1113 Minimum Grade: C

ENGR 1200 - Engineering Computing

Credits: 3.00

Lecture: 2.00

College: College of Arts and Sciences

Department: Geology and Physics

This course is designed to provide engineering majors a foundation of computing with an emphasis on design and implementation of algorithms that complement and support engineering problem solving. The course helps students in pursuing the engineering curriculum which requires them to use computers for communication, literature search, word processing, presentation graphics, mathematical analysis, data analysis, numerical problem solving, and specialized engineering applications. Permission of instructor required. (2-1-3)

ENGR 1203 - Engineering Graphics

Credits: 3.00

Lecture: 2.00

College: College of Arts and Sciences

Department: Geology and Physics

In this course, an introduction to engineering graphics and design including sketching, drawing, projection theory, tolerances and computer-aided graphics will be covered. (2-1-3)

ENGR 2001 - Engineering Materials

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Geology and Physics

The primary objective of this course is to introduce students to the study of engineering materials. Building on an understanding of atomic structure and chemical bonding from the knowledge acquired in General Chemistry, students should understand the chemical and size-factors which determines the way in which atoms pack together in solid materials. They should then be able to relate this to the observed mechanical, electrical, thermal, magnetic, and chemical properties of those materials. Students will be introduced to material selection and processing as part of engineering design. (3-0-3)

Prerequisites:

CHEM 1211 Minimum Grade: C

ENGR 2002 - Engineering Statics

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Geology and Physics

The primary objective of this course is to introduce students to the principles of engineering statics (vector based) in two and three dimensions. Concept of force, moment, equilibrium principle, truss, center of gravity and friction will be taught by solving realistic problems. (3-0-3)

Prerequisites:

PHYS 2211 Minimum Grade: C and MATH 2221 Minimum Grade: C

Entrepreneurship**ENTR 3510 - Accounting for Entrepreneurs**

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Management

Accounting for Entrepreneurs covers the knowledge and skills that entrepreneurs need to operate a profitable business. The course will address the preparation and analysis of financial statements and operations budgets and the preparation of tax forms associated with entrepreneurial activities. (3-0-3) May not be enrolled in the following class(es) Freshman

Prerequisites:

(MATH 1101 Minimum Grade: C or MATH 1111 Minimum Grade: C or MATH 1113 Minimum Grade: C or MATH 1120 Minimum Grade: C)

ENTR 3520 - Financing the Business Venture

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Management

Financing the Business Venture covers the financial aspects of startups and small businesses for entrepreneurs. It's objective is to give students an understanding of how ventures are financed, and the major financial problems faced by entrepreneurs. Focus is on business ownership, capital management, time value of money and their applications. (3-0-3) May not be enrolled in the follwong class(es) Freshman

Prerequisites:

(ENTR 3510 Minimum Grade: C)

Environmental Science

ENVS 1100 - Intro to Environmental Science

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Chemistry Department

This course is designed to provide non-science and science majors with an introduction to modern environmental science. This course seeks to help students explore the reasons behind major environmental issues and the consequences these issues have. Emphasis will be on general topics such as biodiversity, environmental chemistry, pollution, global climate change, sustainability, energy alternatives, waste management, and environmental policy. Prerequisites: Learning Support students must have exited LS Reading and LS Math. (3-0-3)

ENVS 1100S - Intro to Environ Scie-Stdy Abr

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Chemistry Department

This course is designed to provide non-science and science majors with an introduction to modern environmental science. This course seeks to help students explore the reasons behind major environmental issues and the consequences these issues have. Emphasis will be on general topics such as biodiversity, environmental chemistry, pollution, global climate change, sustainability, energy alternatives, waste management, and environmental policy. Taken as part of a study abroad experience.

ENVS 2202 - eCore Environmental Science

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Chemistry Department

Prerequisites:

English as a Second Language

ESL 0000 - ESL - Fulltime (3 cr)

Credits: 0.00

Lecture: 0.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0000A - ESL - Part Time Assessment

Credits: 0.00

Lecture: 0.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0000B - ESL - No GSW Services

Credits: 0.00

Lecture: 0.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0100 - Basic Writing

Credits: 2.00

Lecture: 5.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0100A - Basic Writing A

Credits: 1.00

Lecture: 5.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0100B - Basic Writing B

Credits: 1.00

Lecture: 5.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0110 - Listening-Speaking I

Credits: 2.00

Lecture: 5.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0120 - Basic Grammar

Credits: 2.00

Lecture: 5.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0120A - Basic Grammar A

Credits: 1.00

Lecture: 5.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0120B - Basic Grammar B

Credits: 1.00

Lecture: 5.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0130 - Basic Reading

Credits: 2.00

Lecture: 5.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0130A - Basic Reading A

Credits: 1.00

Lecture: 5.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0130B - Basic Reading B

Credits: 1.00

Lecture: 5.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0200 - Intermediate Writing

Credits: 2.00

Lecture: 5.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0200A - Intermediate Writing A

Credits: 1.00

Lecture: 5.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0200B - Intermediate Writing B

Credits: 1.00

Lecture: 5.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0210 - Listening-Speaking - Idioms

Credits: 1.00

Lecture: 2.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0210Z - Listening-Speaking-Idioms (R)

Credits: 1.00

Lecture: 2.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0211 - Listening-Speaking - Pron

Credits: 2.00

Lecture: 5.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0211Z - Listening-Speaking - Pron (R)

Credits: 2.00

Lecture: 5.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0212 - Listening-Speaking -TOEFL I

Credits: 1.00

Lecture: 2.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0213 - Listening-Speak -Movie Inter

Credits: 1.00

Lecture: 1.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0215 - English Lab II

Credits: 1.00

Lecture: 2.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0220 - Intermediate Grammar

Credits: 2.00
Lecture: 5.00
College: College of Arts and Sciences
Department: Learning Support Programs

ESL 0220A - Intermediate Grammar A

Credits: 1.00
Lecture: 5.00
College: College of Arts and Sciences
Department: Learning Support Programs

ESL 0220B - Intermediate Grammar B

Credits: 1.00
Lecture: 5.00
College: College of Arts and Sciences
Department: Learning Support Programs

ESL 0220Z - Intermediate Grammar (R)

Credits: 2.00
Lecture: 5.00
College: College of Arts and Sciences
Department: Learning Support Programs

ESL 0230 - Intermediate Reading

Credits: 2.00
Lecture: 5.00
College: College of Arts and Sciences
Department: Learning Support Programs

ESL 0230A - Intermediate Reading A

Credits: 1.00
Lecture: 5.00
College: College of Arts and Sciences
Department: Learning Support Programs

ESL 0230B - Intermediate Reading B

Credits: 1.00
Lecture: 5.00
College: College of Arts and Sciences
Department: Learning Support Programs

ESL 0300 - Adv Writing

Credits: 2.00
Lecture: 5.00
College: College of Arts and Sciences
Department: Learning Support Programs

ESL 0300A - Adv Writing A

Credits: 1.00
Lecture: 5.00
College: College of Arts and Sciences
Department: Learning Support Programs

ESL 0300B - Adv Writing B

Credits: 1.00
Lecture: 5.00
College: College of Arts and Sciences
Department: Learning Support Programs

ESL 0300Z - Adv Writing (R)

Credits: 2.00

Lecture: 5.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0310 - Listening-Speaking -Fluency

Credits: 1.00

Lecture: 2.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0311 - Listening-Speaking - Pron

Credits: 2.00

Lecture: 5.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0311Z - Listening-Speaking - Pron (R)

Credits: 2.00

Lecture: 5.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0312 - Listening-Speaking-TOEFL II

Credits: 1.00

Lecture: 2.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0312Z - Listen-Speak-TOEFL II (R)

Credits: 1.00

Lecture: 2.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0313 - Listening-Speaking-Movie Adv

Credits: 1.00

Lecture: 2.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0313Z - Listen-Speak-Movie Adv (R)

Credits: 1.00

Lecture: 2.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0314 - Listen-Speak Conversation

Credits: 1.00

Lecture: 2.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0314Z - Listen-Speak Conversation (R)

Credits: 1.00

Lecture: 2.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0315 - English Lab III

Credits: 1.00

Lecture: 2.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0315Z - English Lab III (R)

Credits: 1.00

Lecture: 2.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0320 - Adv Grammar

Credits: 1.00

Lecture: 2.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0320A - Adv Grammar A

Credits: 1.00

Lecture: 5.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0320B - Adv Grammar B

Credits: 1.00

Lecture: 5.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0320Z - Adv Grammar (R)

Credits: 1.00

Lecture: 2.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0325 - Adv Grammar-TOEFL

Credits: 2.00

Lecture: 5.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0325A - Adv Grammar-TOEFL A

Credits: 1.00

Lecture: 5.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0325B - Adv Grammar-TOEFL B

Credits: 1.00

Lecture: 5.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0330 - Adv Reading

Credits: 2.00

Lecture: 5.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0330A - Adv Reading A

Credits: 1.00
Lecture: 5.00
College: College of Arts and Sciences
Department: Learning Support Programs

ESL 0330B - Adv Reading B

Credits: 1.00
Lecture: 5.00
College: College of Arts and Sciences
Department: Learning Support Programs

ESL 0330Z - Adv Reading (R)

Credits: 2.00
Lecture: 5.00
College: College of Arts and Sciences
Department: Learning Support Programs

ESL 0400 - Bridge - High Adv - Writing

Credits: 2.00
Lecture: 5.00
College: College of Arts and Sciences
Department: Learning Support Programs

ESL 0400A - Bridge - High Adv - Writing A

Credits: 1.00
Lecture: 5.00
College: College of Arts and Sciences
Department: Learning Support Programs

ESL 0400B - Bridge - High Adv - Writing B

Credits: 1.00
Lecture: 5.00
College: College of Arts and Sciences
Department: Learning Support Programs

ESL 0400Z - Bridge- High Adv- Writing (R)

Credits: 2.00
Lecture: 5.00
College: College of Arts and Sciences
Department: Learning Support Programs

ESL 0410 - Listening-Speaking IV-Fluency

Credits: 1.00
Lecture: 2.00
College: College of Arts and Sciences
Department: Learning Support Programs

ESL 0411 - Listening-Speaking IV - Pron

Credits: 2.00
Lecture: 2.00
College: College of Arts and Sciences
Department: Learning Support Programs

ESL 0411Z - Listening-Speaking - Pron (R)

Credits: 2.00
Lecture: 5.00
College: College of Arts and Sciences
Department: Learning Support Programs

ESL 0412 - Listening-Speaking IV-TOEFL

Credits: 1.00

Lecture: 2.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0413 - Listening-Speak -Movie Bridg

Credits: 1.00

Lecture: 1.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0415 - English Lab IV

Credits: 1.00

Lecture: 2.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0430 - Bridge - High Adv - Reading

Credits: 2.00

Lecture: 5.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0430A - Bridge - High Adv - Reading A

Credits: 1.00

Lecture: 5.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0430B - Bridge - High Adv - Reading B

Credits: 1.00

Lecture: 5.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 0430Z - Bridge- High Adv- Reading (R)

Credits: 2.00

Lecture: 5.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 120A - Basic Grammar

Credits: 1.00

Lecture: 5.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 120B - Basic Grammar B

Credits: 1.00

Lecture: 5.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 130A - Basic Reading A

Credits: 1.00

Lecture: 5.00

College: College of Arts and Sciences

Department: Learning Support Programs

ESL 130B - Basic Reading B**Credits:** 1.00**Lecture:** 5.00**College:** College of Arts and Sciences**Department:** Learning Support Programs**European Union****EURO 3234 - Intro to European Union****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

An introduction to the history, institutions, and policies the European Union. The course also examines the role of the EU as a global actor, including its relations with the United States. (3-0-3)

EURO 4130 - EU Law and Legal Systems**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

This course explores the legal institutions and processes of the European Union in the context of international law and in comparison to the United States.

EURO 4160 - Federalism & Multilevel Govern**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History**EURO 4230 - Doing Busi in the European Un****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History**EURO 4330 - Euro Un Sci & Tech Policy****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History**EURO 4430 - European Un Envir Policy****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History**EURO 4530 - European Social Policy****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

An examination of social policy and current social policy issues and arrangements in Europe and the EU.

EURO 4630 - EU Communications & Media**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

EURO 4730 - EU Foreign Policy**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History**EURO 4760 - US European Uni Relations****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History**EURO 4830 - Refugees, Immigrants & the EU****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

EU Studies Capstone course. A comparison of the European Union with regional integration and organizations in other areas of the world, including the Global South. (3-0-3)

French**FREN 1001 - Elementary French I****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Modern Languages

Introduction to listening, speaking, reading and writing in French and to the culture of French-speaking peoples. Not open to students with two year of high school French. Designed for students with no previous knowledge of French. Not open to native speakers. Laboratory work required. (3-0-3)

FREN 1002 - Elementary French II**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Modern Languages

Continued listening, speaking, reading, and writing in French with further study of the culture of French-speaking peoples. Not open to native speakers. Laboratory work required. (3-0-3)

Prerequisites:

FREN 1001 Minimum Grade: C or FRH 101 Minimum Grade: C or FREN 1001H Minimum Grade: C

FREN 4210 - Business French**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Modern Languages

An introduction to the economic and business practices of contemporary France and the Francophone world. Conducted in French. This is an on-line, asynchronous Web-CT course. (3-0-3)

Prerequisites:

FREN 2002 Minimum Grade: C or FRH 202 Minimum Grade: C

FinTech**FTA 4001 - Foundations of FinTech****Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Management

The financial services industries are changing rapidly with the emergence of financial technology (FinTech). The objective of the course is to provide students with an overview of FinTech and introductions to its applications in financial services, such as commercial and investment banking, digital investing, financial advising, and insurance. Students are expected to develop a broad understanding of the recent FinTech development and its impact on different parts of the financial world. Students will also have hands-on problem-solving experiences that can be useful in FinTech applications and innovation. Topics may include but are not limited to: blockchain and cryptocurrencies, smart contracting, payments, digital banking, P2P lending, crowdfunding, robo-advising and InsurTech. (3-0-3) May not be enrolled in one of the following Classes(es): Freshman, Sophomore.

Prerequisites:

and (CIS 1000 Minimum Grade: C)

FTA 4002 - Financial Technologies

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Management

This course examines the information and communications tools, technologies, and standards integral to consumer, merchant, and enterprise services in the payments and financial service sectors. Explores technology's role in reshaping FinTech businesses. Technologies span messaging, communications networks and gateways, core processing, mobile and online software, and application program interfaces (APIs). Includes the challenges, standards, and techniques associated with securing systems and data. (3-0-3) May not be enrolled in one of the following Classes: Freshman, Sophomore.

Prerequisites:

and (FTA 4001 Minimum Grade: C or FTA 4001) and MGNT 3700 Minimum Grade: C

FTA 4003 - Commercial Banking & FinTech

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Management

The FinTech revolution is creating significant disruption to the traditional processes of managing and regulating financial institutions, especially banks. Digital technology is increasingly altering basic financial intermediation functions such as payment processing, risk management, information dissemination, price discovery, capital raising, and consumer expectations concerning access to funds and the timing of loan decisions. Understanding, assessing and forecasting FinTech's impact on banking is particularly important because proper management and oversight of financial institutions is essential to the efficient operation of the national, as well as global, economy. In this course, students will learn about the principles and practices of commercial bank management, bank regulation, and the tradeoffs between risk and return. Challenges presented by the FinTech evolution, including traditional and emergent competitors as well as demographic, social, and technology forces driving change in the industry, will be integrated throughout the entire course. (3-0-3) May not be enrolled in one of the following Classes: Freshman, Sophomore.

Prerequisites:

and (FTA 4001 Minimum Grade: C or FTA 4001) and BUSA 3150 Minimum Grade: C

FTA 4005 - Intro to Financ Data Analytics

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Management

This course provides the foundation for financial data analytics used in business and FinTech applications. The objective of this course is for students to gain experience in analyzing financial data using modern machine learning techniques, statistical methods, and prediction models. Students will develop computational skills to perform data analysis using a modern statistical programming environment, and apply these skills to address a range of problems encountered by business firms, including those in the FinTech industry. The topics discussed include an introduction to R language, visualization of financial data, cluster analysis, simple and multiple linear regression, classification models, high dimension data analysis using Lasso, and model assessment and selection using cross validation. Students will have hands-on experience in the development of data analytics applications to analyze real world financial problems. (3-0-3) May not be enrolled in one of the following Classes: Freshman, Sophomore.

Prerequisites:

and (FTA 4001 Minimum Grade: C or FTA 4001) and MGNT 3700 Minimum Grade: C

FTA 4100 - Intro to Info Sec for FinTech**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Management

The purpose of this course is to introduce the business students to the rapidly evolving and critical international arenas of privacy, information security, and critical infrastructure. This course is designed to develop knowledge and skills for security of information and information systems within organizations. It focuses on concepts and methods associated with security across several systems platforms, including internal and Internet-facing systems. The course utilizes a world view to examine critical infrastructure concepts as well as techniques for assessing risk associated with accidental and intentional breaches of security in a global network. It introduces the associated issues of ethical uses of information and of privacy considerations. (3-0-3) May not be enrolled in the following Classes: Freshman, Sophomore

Prerequisites:

and (FTA 4001 Minimum Grade: C or FTA 4001) and MGNT 3700

FTA 4200 - FinTech Practicum**Credits:** 3.00**Lecture:** 0.00**College:** College of Business & Comp**Department:** Management

The financial services industries are changing rapidly with the emergence of financial technology (FinTech). Practical financial technology experience gained by "employment" in the workplace and in the accomplishment of one or more special projects pertinent to the activities of the sponsoring agency or organization. May not be enrolled in one of the following Class(es): Freshman, Sophomore, Junior Permission of the the Dean required. (0-10-3)

Prerequisites:**Geology****GEOL 1121 - Earth Mat, Processes, & Env****Credits:** 4.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Geology and Physics

To provide students with an introduction to our dynamic planet which includes processes that create Earth materials in the form of minerals and rocks and those geologic events which shape the earth's surface. (3-2-4)

GEOL 1121H - Earth Mat, Proc, & Env-Honors**Credits:** 4.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Geology and Physics

Introductory Geosciences I for the Honors Program. (3-2-4)

GEOL 1121K - Intro Geosciences I**Credits:** 4.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Geology and Physics

This course covers Earth materials and processes. The purpose of the course is to provide students with an introduction to our dynamic planet which includes processes that create Earth materials in the form of minerals and rocks and those geologic events which shape the earth's surface. (3-2-4)

GEOL 1122 - Earth History & Global Change**Credits:** 4.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Geology and Physics

To introduce students to the evidence for a long and dynamic earth history, the methods of logical interpretation of that evidence, and a brief summary of important events in the earth's history. (3-2-4)

Prerequisites:

GEOL 1121 or GEOL 1121H or GEOL 1121K

GEOL 1122H - Earth Hist & Global Chg-Honors

Credits: 4.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Geology and Physics

Introductory Geosciences II for the Honors Program. (3-2-4)

GEOL 1122K - Introductory Geosciences II

Credits: 4.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Geology and Physics

This course covers geologic time, sedimentary environments, fossils, and Earth history. The purpose is to introduce students to the evidence for a long and dynamic Earth history, the methods of logical interpretation of the evidence, and a brief summary of important events in the Earth's history. (3-2-4)

Prerequisites:

GEOL 1121 or GEOL 1121H or GEOL 1121K

GEOL 1122S - Intro Geosciences II-Study Abr

Credits: 4.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Geology and Physics

See description for GEOL 1122. Taken as a study abroad experience. (3-2-4)

GEOL 1142 - The Geology of Georgia

Credits: 3.00

Lecture: 2.00

College: College of Arts and Sciences

Department: Geology and Physics

Students will recognize and interpret common geologic structures, fossils, and rock types found in Georgia. They will travel to regions of geologic interest in the state where they will make geologic measurements and observations in the field in order to interpret Georgia's geologic history. An integrated lecture and field trip format will be used for the course. The class will include some outdoor activities such as hiking and camping. (2-3-3)

Prerequisites:

GEOL 1121

GEOL 1221 - Solar System Exploration

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Geology and Physics

A survey course designed to expose students to the nature and wonders of our solar system. The course will also cover the methods of space exploration which includes the Apollo lunar missions to the current on-going efforts such as the Mars Pathfinder and Mars Surveyor missions. The possibility of extraterrestrial life in the solar system and beyond will also be covered. (3-0-3)

GEOL 1221H - Solar Sys Exploration- HONORS

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Geology and Physics

Solar System Exploration for the Honors Program. (3-0-3)

GEOL 2011 - First Year Seminar

Credits: 2.00

Lecture: 0.00

College: College of Arts and Sciences

Department: Geology and Physics

A brief introduction to the conceptual structure of geology, to certain basic concepts in introductory courses, and to various techniques used in upper division geology courses (critical reading and writing, scientific logic). (2-0-2)

GEOL 3111 - Environmental Geology

Credits: 4.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Geology and Physics

A study of human interaction with the environment. Topics include natural hazards, land use, waste management, and geologic aspects of environmental health. (3-2-4)

Prerequisites:

GEOL 1121 or ESC 110

GEOL 3121 - Mineralogy

Credits: 4.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Geology and Physics

A study of naturally occurring, crystalline substances. Laboratory work focuses on the physical, chemical, and crystallographic characteristics of important rock-forming and economic minerals. Lectures emphasize the generation and geologic occurrences of these minerals. (3-2-4)

Prerequisites:

GEOL 1121 or ESC 110 or GEOL 1121H

GEOL 3131 - Optical Mineralogy

Credits: 2.00

Lecture: 1.00

College: College of Arts and Sciences

Department: Geology and Physics

An introductory section on physical optics will provide a basis for understanding the interaction of light and minerals. The petrographic microscope will then be used to distinguish the common rock-forming minerals, obtain compositional information, and decipher geologic histories. (1-2-2)

Prerequisites:

GEOL 3121

GEOL 3211 - Invertebrate Paleobiology

Credits: 4.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Geology and Physics

Paleontology has traditionally served the earth sciences primarily as a tool for determining the ages of rocks and inferring how they correlate from place to place. More recently it has become apparent that paleontology provides a unique historical viewpoint on the evolution of the natural environment. This course introduces students to the basic evidence of the earth's past life available to paleontologists, assessment of the strengths and weaknesses of that evidence, and the logical application of that evidence to both traditional problems of correlation and to modern discussion of the evolutionary history of the Earth's environment. Permission of instructor also required in addition to course prerequisites. (3-2-4)

Prerequisites:

(GEOL 1122 or ESC 120) or BIOL 2108

GEOL 3311 - Oceanography

Credits: 4.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Geology and Physics

The physical, chemical, geological, and biological characteristics of the ocean and the interactions between the hydrosphere, lithosphere, atmosphere, and biosphere. (3-2-4)

Prerequisites:

GEOL 1121 or GEOL 1121H or ESC 110

GEOL 3411 - Geomorphology**Credits:** 4.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Geology and Physics

An examination of the basic tectonic and erosional processes that influence the appearance of the Earth's surface, and the landforms that result from them. Emphasis will be on characterizing landforms descriptively and numerically, and inferring the processes responsible for their formation. (3-2-4)

Prerequisites:

GEOL 1121 or ESC 110

GEOL 3511 - Structural Geology**Credits:** 4.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Geology and Physics

An introduction to the techniques and terminology used in the recognition and description of rock structures. An introductory section on rock mechanics will provide a basis for distinguishing and evaluating the rock properties and stress responsible for the contrasting styles of deformation. (3-2-4)

Prerequisites:

GEOL 1122 or ESC 120

GEOL 3511H - Structural Geology-Honors**Credits:** 4.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Geology and Physics

Structural Geology for the Honors Program. (3-2-4)

GEOL 3621 - Inst Analysis in Geosciences**Credits:** 1.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** Geology and Physics

This course will provide students with the opportunity to learn operational procedures for specific research instrumentation housed within the Department (e.g., x-ray diffraction, x-ray fluorescence, scanning electron microscope, etc.). In addition, the students will learn the theory behind the instrumentation, the various applications of this analytical tool, and how to interpret the resulting analytical data. Permission of instructor or Department Chair required in addition to course prerequisites. (1-0-1)

GEOL 4311 - Sedimentation-Sed Petrology**Credits:** 4.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Geology and Physics

Sedimentation deals with the study of sediment properties, transport mechanisms/dynamics, and the development of sedimentary structures as tools for interpreting paleoenvironments and for predicting rock texture. Sedimentary petrology involves understanding how weathering processes, transport mechanisms, and depositional systems leave interpretable records of themselves in rocks. Petrographic characteristics of the more common sedimentary rocks are examined in this context. (3-2-4)

Prerequisites:

GEOL 3121

GEOL 4411 - Stratigraphy**Credits:** 4.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Geology and Physics

Principles of stratigraphy as applied to interpreting the relative and absolute ages of rocks and their local and global correlation. The course will also examine techniques for interpreting specific environments of deposition based on lithology, fossil content, and stratigraphic characteristics, and the application of combined facies and age assessments to understanding the evolution of depositional basins and their strata. (3-2-4)

Prerequisites:

GEOL 4311 or ESC 360

GEOL 4421 - Sedimentary Geology

Credits: 4.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Geology and Physics

A four-semester-hour course designed to introduce the student to the characteristics of sedimentary rocks at several scales. The first portion of the course comprises basic characteristics of individual rocks in hand sample and thin section. The interpretation of facies and sedimentary environments in which these rocks occur follows. The course concludes with concepts of stratigraphic correlation of sedimentary rocks and rock bodies across large regions, and of basin analysis. (3-2-4)

Prerequisites:

GEOL 1122 Minimum Grade: C or GEOL 1122H Minimum Grade: C

GEOL 4611 - Introduction to GIS

Credits: 4.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Geology and Physics

This class will introduce the modern techniques and tools of spatial data analysis. Lecture material will focus on the common terminology, software, hardware and techniques utilized in geographic information systems. Applications in scientific research, county and city planning, environmental projects and desktop mapping will be demonstrated and discussed. Lab exercises will involve spatial data collection and conversion, project structuring and presentation, and data interpretation. A general computer background is required. (3-2-4)

GEOL 4711 - Igneous-Metamorphic Petrology

Credits: 4.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Geology and Physics

A study of the origins, characteristics, and classifications of igneous and metamorphic rocks. Petrographic, geochemical and structural data will be used to evaluate the origins and tectonic significance of specific rock suites. (3-2-4)

Prerequisites:

GEOL 3121 or GEO 321

GEOL 4811 - Introduction to Geophysics

Credits: 4.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Geology and Physics

Acquisition and interpretation of exploration geophysical data. Seismic reflection and refraction methods, gravity and magnetic fields, geoelectrical methods, and geophysical well logging. An introductory physics course is desirable but not necessary. (3-2-4)

Prerequisites:

GEOL 1122

GEOL 4821 - Environmental Geophysics

Credits: 4.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Geology and Physics

The student will identify which geophysical methods are used by industry and academia to solve environmental problems, and be able to associate seismic, potential field, electrical and electromagnetic methods with the particular problems to which the methods are best suited. The student will analyze and integrate the physical theory, field methodology, and interpretation of each method with geologic and engineering information to solve problems using real data sets. The student will also summarize and critique recent publications in the fields of engineering and environmental geophysics. (3-2-4)

Prerequisites:

GEOL 1122 and (MATH 1111 or MATH 1113 or MATH 1120 or MATH 2221 or MATH 2222)

GEOL 4911 - Senior Seminar**Credits:** 1.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** Geology and Physics

Will provide senior geology majors with an opportunity to prepare and deliver presentations within various fields of the geosciences. Presentations will be followed by a critical review and discussion from their peers and faculty members. Senior standing in geology required. (1-0-1)

GEOL 4911H - Senior Seminar- Honors**Credits:** 1.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** Geology and Physics

Senior Seminar for the Honors Program. (1-0-1)

GEOL 4921 - Geotectonics**Credits:** 4.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Geology and Physics

An overview of the major structural and compositional features of the earth and the modern theories that explain their origin and development. A combination of paleontologic, petrologic, stratigraphic, structural and geophysical data from various global locations will be examined and interpreted. (3-2-4)

Prerequisites:

(GEOL 4711 or ESC 460) and (GEOL 3511 or ESC 301) and (GEOL 4411 or ESC 212)

GEOL 4931 - Field Methods**Credits:** 4.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Geology and Physics

An introduction to the current techniques and equipment used in the collection and interpretation of geologic field data. The course will not only examine classical techniques in sampling, surveying, and mapping, but will also provide field and lab experience using GPS (Global Positioning Systems) and GIS (Geographic Information Systems) equipment and software. Several half-day and extended field trips will focus on observational and interpretative skills, while follow-up projects will emphasize technical writing and effective data presentation. (3-2-4)

Prerequisites:

GEOL 3511 or ESC 301

GEOL 4941 - Senior Thesis I**Credits:** 1.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** Geology and Physics

The course will provide seniors with the opportunity of collecting scientific data via laboratory and/or field work as part of an original research project. Prior to enrollment in Senior Thesis I, the student will submit a research proposal which will be reviewed and approved by his or her Thesis Director. Additional requirements include senior status with all required upper-level geology, math, and applied science courses completed. (1-0-1)

GEOL 4942 - Senior Thesis II**Credits:** 1.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** Geology and Physics

This portion of Senior Thesis requires the student to employ critical and analytical thinking. Data collected in Senior Thesis I must be compiled and then evaluated for its scientific validity. Subsequently, conclusions must be drawn from this information. The significance of the findings in relation to the common body of knowledge in the geosciences will also be addressed by the student. All data collection methods, results and conclusions will be submitted to the Thesis Director in a specified journal format and will also be presented either at a professional meeting or an in-house seminar. Must have successfully completed GEOL 4941. (1-0-1)

GEOL 4951 - Special Topics in Geology**Credits:** 2.00 TO 4.00**Lecture:** 0.00 TO 3.00**College:** College of Arts and Sciences**Department:** Geology and Physics

A 2-4 semester hour course designed to provide upper level students with a course on current and emerging topics in the world of geosciences. Credit will vary depending upon the topic selected. Prerequisite: GEOL 1122 and permission of instructor. (0-3 lecture, 0-2 lab, 2-4 credits total)

Prerequisites:

GEOL 1122 or ESC 120

History**HIST 1111 - World Civilization I****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

This course surveys world history to early modern times. (3-0-3)

HIST 1111H - World Civilization I - Honors**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

A survey of world history to early modern times. This section is for students participating in the GSW Honors Program. (3-0-3)

HIST 1111S - World Civ I - Study Abroad**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

A survey of world history to early modern times. (3-0-3) Taken as part of a study abroad experience.

HIST 1112 - World Civilization II**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

This course surveys world history from early modern times to the present. May be taken before HIST 1111. (3-0-3)

HIST 1112H - World Civilization II-Honors**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

A survey of world history from early modern times to the present. This section is for students participating in the GSW Honors Program. (3-0-3)

HIST 1112S - World Civ II-Study Abroad**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

A survey of world history from early modern times to the present. Taken as part of a study abroad experience. (3-0-3)

HIST 2111 - United States History I**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

This course focuses on American history from the discovery of the Western World through the Civil War. A passing grade in this course satisfies the U.S. history and Georgia history requirements of Georgia State Code 20-3-68. (3-0-3)

HIST 2111H - United States History I-Honors

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: History

Discovery of the Western World through the Civil War. A passing grade in this course satisfies the U.S. history and Georgia history requirements of Georgia State Code 20-3-68. This section is for students participating in the GSW Honors Program. (3-0-3)

HIST 2112 - United States History II

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: History

This course focuses on American history from Reconstruction to the present. A passing grade in this course satisfies the U.S. history and Georgia history requirements of Georgia Code 20-3-68. (3-0-3)

HIST 2112H - United States History II-Honor

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: History

Reconstruction Period to the present. A passing grade in this course satisfies the U.S. history and Georgia history requirements of Georgia Code 20-3-68. This section is for students participating in the GSW Honors Program. (3-0-3)

HIST 2112S - US History II -Study Abroad

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: History

HIST 2500 - The Study of History

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: History

This course is an introduction to the study of history. Required of all history majors. (3-0-3)

HIST 2800 - The African Diaspora

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: History

The study of the African Diaspora focuses on the large-scale forced and voluntary migrations from Africa that began around 1400 and shaped new colonial societies and later nation-states in the Americas while also supporting modern global trade expansion. Special attention will be given to comparative assessment of important economic, political, and cultural visions of African Diaspora protest politics up to the 21st century. (3-0-3)

HIST 3470 - Public History Field School

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: History

HIST 3470. Public History Field School. Students will gain hands-on experience through a faculty-supervised public history internship. Occasional class meetings will enrich learning outcomes, but most of the work will take place at the host institution. Pre-requisite(s): Junior or Senior Status. Co-requisite: none. (1-9-3)

HIST 3510 - American Colonial History**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

Major developments in American history between 1492 and 1789 are explored. (3-0-3)

HIST 3570 - Civil War-Reconstruction**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

This course is an in-depth study of the Civil War and Reconstruction period of U.S. history focused on the background, political, social, economic, and military aspects of the period. (3-0-3)

HIST 3730 - History of the Old South**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

This course examines the history of the South from the colonial period to the outbreak of the Civil War. Topics for study include the economic system of the Old South, slavery, antebellum Southern politics, and social and intellectual patterns of the Old South. (3-0-3)

HIST 3770 - Black-American History**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

The focus of this course is the role of Blacks in the Western Hemisphere, with special emphasis on the struggles of African-Americans for equality and their contributions to American progress. (3-0-3)

HIST 3810 - History of Georgia**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

This course surveys Georgia history from the beginning to the present. The course is of particular significance to prospective teachers in elementary and secondary schools. A passing grade in this course satisfies history of Georgia and the Constitution of Georgia requirements of Georgia State Code 20-3-68. (3-0-3)

HIST 4000 - The Vietnam War**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

This is the capstone senior seminar course required of all history majors. It entails a survey of leading writers who have produced the major historical works, with special emphasis on the intellectual and cultural influences that helped to shape their historical interpretations. Prerequisite: 15 hrs of upper division history or permission of the instructor. (3-0-3)

Prerequisites:

HIST 2500 Minimum Grade: C

HIST 4050 - Early Modern Europe**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

This course entails topical discussions of intellectual traditions and institutional structures in European history from 1648 to 1815. (3-0-3)

HIST 4100 - 19th Cent Europe**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

This course focuses on the political, economic, and social history of Europe from the Congress of Vienna to the outbreak of World War I. (3-0-3)

HIST 4110 - Europe in the 20th Cent**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

This course explores the history of Europe since 1914. The main political, social, economic, cultural, international, and intellectual movements are considered. (3-0-3)

HIST 4120 - Modern Russia**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

This course examines the development of Russia from the reign of Peter I to the present democratic government. It addresses the geographic setting and the medieval background of Russian history, including the reforms of Peter I, the institution of serfdom, revolution and civil war at the beginning of the Twentieth Century, the Soviet State, the Second World War, the Cold War, and the collapse of Communism. (3-0-3)

HIST 4130 - Eastern Europe**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

This course examines major events in the history of Eastern Europe. Among the major topics covered are the Byzantine Empire, the Ottoman Empire, The Polish-Lithuanian Commonwealth, the Hapsburg Empire, national revivals, the World Wars, Communist domination and the collapse of Communism. The class will examine the political, cultural and economic aspects of these topics. (3-0-3)

HIST 4140 - History of Modern Germany**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

This course explores the development of Germany from medieval times to the present. The geographic setting and medieval background of German history are addressed. Major topics covered include the Reformation, the 30 Year War, the unification of Germany by Bismarck, Hitler and the Nazi period, the Second World War, the Cold War and the collapse of Communism. (3-0-3)

HIST 4150 - The Renaissance & Reformation**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

This course provides an introduction to European history from the fourteenth century to 1648, focusing on the Italian Renaissance and the various religious Reformations of sixteenth century Europe. (3-0-3)

HIST 4160 - History of Medicine**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

This course will examine the history of medicine in a wide social context covering the impact of medicine on intellectual, economic, institutional, and cultural relationships from antiquity to the present. (3-0-3)

HIST 4160H - History of Medicine - Honors

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: History

HIST 4500 - Capstone Seminar

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: History

This is the capstone seminar course required of all History and History with Teaching Certification majors. It is organized around a specialized topic of historical exploration, as selected by the faculty member of record.

Prerequisite(s): HIST 2500. The Study of History. Students may also take the course with the department chair or or faculty of record's approval. (3-0-3)

Prerequisites:

HIST 2500

HIST 4540 - US History, 1877-1920

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: History

This course focuses on American history from the rise of Populism through the Progressive Era, 1877-1920. (3-0-3)

HIST 4551 - US History 1920 to 1945

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: History

This course surveys United States history from the end of World War I through World War II. (3-0-3)

HIST 4560 - American Popular Culture

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: History

This course will explore the development and influence of popular culture in United States history. Particular attention will be paid to the ways that popular culture reflects technological, economic and social changes in American life. Prerequisite: Completion of 6 hours of History core requirements is recommended. (3-0-3)

HIST 4561 - US Social History

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: History

Selected and representative social, cultural, and intellectual themes in American history are explored in this course. (3-0-3)

HIST 4562 - History of American Women

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: History

This course explores women's experiences in American history from the colonial era to the present. (3-0-3)

HIST 4562H - Hist of American Women Honors**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

This course explores women's experiences in American history from the colonial era to the present. (3-0-3)

HIST 4563 - History of Sexuality**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

This course will explore intimate human experiences in the broader social and cultural context that gives meaning to these experiences. Particularly attention will be paid to the ways that historical ideas about sexuality or experiences of sexuality reflect social change, family politics, or urban and technological developments. This course will incorporate comparative global histories to expand scholarly perspectives on the history of sexuality. (3-0-3)

HIST 4605 - Colonial Latin America**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

HIST 4605 History of Colonial Latin America surveys the pre- Columbian era and the Iberian backgrounds, explorations, conquests, and institutions in Latin America through the wars of independence in the early nineteenth century. (3-0-3)

HIST 4606 - Modern Latin America**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

HIST 4606 The History of Modern Latin America surveys the Latin America beginning with the independence movements from Spain in the early nineteenth century and culminating in recent developments within the region. (3-0-3)

HIST 4780 - History of the Middle East**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

This course covers the broad sweep of Middle Eastern history and culture. (3-0-3)

HIST 4781 - History of North Africa**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

This course is designed to familiarize students with the history and culture of Northern Africa. (3-0-3)

HIST 4782 - Gend/Minorities-Mideast/Africa**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

This course explores the history of gender and minorities in the Middle East and North Africa. (3-0-3)

HIST 4783 - Islamic World to 1405**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

HIST 4783 History of the Islamic World to 1405 surveys the salient issues of the Islamic World by tracing the change and continuity across several cultures in the Middle East and North Africa through the principal themes of religion, imperialism and political development. (3-0-3)

HIST 4784 - Islamic World since 1405**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

HIST 4784 History of the Islamic World since 1405 surveys the development of the Islamic World by analyzing the principal themes in history, including economics, war, imperialism, and political development. It considers the expansion of the Islamic World into West Africa, Asia and the Indian Ocean Basin. (3-0-3).

HIST 4900 - Special Topics in History**Credits:** 1.00 TO 3.00**Lecture:** 1.00 TO 3.00**College:** College of Arts and Sciences**Department:** History

Selected issues, problems, and literature in history are addressed in this course. Prerequisite: Permission of the Department Chair. (3-0-3)

HIST 4900H - Special Topics in History Hnrs**Credits:** 1.00 TO 3.00**Lecture:** 1.00 TO 3.00**College:** College of Arts and Sciences**Department:** History

Selected issues, problems, and literature in history are addressed in this course. Prerequisite: Permission of the Department Chair. (3-0-3)

HIST 4900S - Spec Topics in Hist-Study Abr**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

A variable credit course on selected issues, problems, and literature in history. Prerequisite: Permission of the Department Chair. Taken as part of a study abroad experience. (3-0-3)

HIST 4920 - History Internship**Credits:** 3.00**Lecture:****College:** College of Arts and Sciences**Department:** History

History related internships are available for qualified students. See the Coordinator of Intern Programs for information. (3-0-3)

Honors**HONS 2000 - University Honors Seminar****Credits:** 1.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** Arts and Sciences

(1-0-1)

Health, PE, and Recreation

HPER 2021 - Life Skills for Athletes-FR**Credits:** 2.00**Lecture:** 2.00**College:** College of Education**Department:** Health & Human Performance

The course focuses on the academic, athletic, and social issues that student-athletes face when entering college as freshmen. Provides information designed to help student athletes succeed not only on the field, but also academically, within their community, and in the job market. The course also assists the individual to explore the unique aspects of his/her experience as a student athlete, including personal identity and integrity, throughout the college years. (2-0-2)

HPER 2022 - Life Skills for Athletes-TRNS**Credits:** 2.00**Lecture:** 2.00**College:** College of Education**Department:** Health & Human Performance

The course focuses on the academic, athletic, and social issues that student-athletes face when entering college as transfers. Provides information designed to help student athletes succeed not only on the field, but also academically, within their community, and in the job market. The course also assists the individual to explore the unique aspects of his/her experience as a student-athlete, including personal identity and integrity, throughout the college years. (2-0-2)

HPER 2040 - Sports Appreciation**Credits:** 2.00**Lecture:** 2.00**College:** College of Education**Department:** Health & Human Performance

Designed for students who are unable to participate in sports activities, with special emphasis being placed on aiding the student in becoming more knowledgeable and appreciative as a spectator or participant. (2-0-2)

HPER 2050 - PE for EC Teachers**Credits:** 2.00**Lecture:** 2.00**College:** College of Education**Department:** Health & Human Performance

The purpose of this course is to enable teacher candidates to plan, organize, and conduct a physical education program for children in an early childhood educational setting. Candidates will be provided background knowledge about physical education content and how to teach movement skills and concepts. (2-0-2)

HPER 2060 - Fundamentals of Baseball**Credits:** 2.00**Lecture:** 1.00**College:** College of Education**Department:** Health & Human Performance

Fundamentals and techniques involved in coaching baseball. (1-1-2)

HPER 2090 - Athletic Training-Condition**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Health & Human Performance

Theory and practice of massage, bandaging, taping, and caring for athletic injuries. Provides basic information on injury prevention and immediate care of the more common sports injuries for those entering into the fields of coaching and/or physical education. Basic foundations are also provided for the student interested in more substantive areas of rehabilitation and allied health careers. (3-0-3)

HPER 2100 - First Aid-Safety**Credits:** 2.00**Lecture:** 1.00**College:** College of Education**Department:** Health & Human Performance

American Red Cross standard courses in first aid and CPR (certification). (1-1-2)

HPER 2100H - First Aid-Safety - Honors

Credits: 2.00

Lecture: 1.00

College: College of Education

Department: Health & Human Performance

American Red Cross standard courses in first aid and CPR (certification). This section is for students participating in the GSW Honors Program. (1-1-2)

HPER 2170 - Introduction to PE

Credits: 1.00

Lecture: 2.00

College: College of Education

Department: Health & Human Performance

Introduction to the fields of Health and Physical Education as pertains to program demands and employment opportunities. Trends in the past and current physical education movement emphasized. (2-0-1)

HPER 2180 - Introduction to Recreation

Credits: 3.00

Lecture: 2.00

College: College of Education

Department: Health & Human Performance

Introduction to the field of Recreation. Emphasis is placed on abilities and personal characteristics, professional qualifications, and employment situation. (2-1-3)

HPER 2200 - Maintenance of Rec Facilities

Credits: 2.00

Lecture: 2.00

College: College of Education

Department: Health & Human Performance

A course designed to acquaint recreation majors with the basic maintenance problems, procedures, and situations of recreation agencies. (2-0-2)

HPER 2240 - Nutrition-Human Performance

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Health & Human Performance

A study of basic nutritional concepts as they relate to the exercising individual. Emphasis will be on the physiological response of proper nutrition and methods of enhancing exercise or athletic performance. (3-0-3)

Prerequisites:

BIOL 2030 Minimum Grade: C

HPER 2350 - Camp-Outdoor Recreation

Credits: 3.00

Lecture: 2.00

College: College of Education

Department: Health & Human Performance

The purpose of this course is to train camp leaders and counselors. Includes organized camping, camp counselor skills, camp activities, and camping and trail skills. (2-1-3)

HPER 2410 - Social Recreation

Credits: 2.00

Lecture: 2.00

College: College of Education

Department: Health & Human Performance

Practical application of planning, demonstrating, and conducting activities and programs for various social events and gatherings. (2-0-2)

HPER 2500 - Comp App HHP

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Health & Human Performance

This course is designed as a comprehensive overview of computer-based methods for accessing, analyzing, and communicating information in the area of health and human performance. The course will focus on the development of skills necessary for effective utilization of various computer tools and applications used in health, physical education, recreation and exercise science. (3-0-3)

HPER 3000 - Recreation Practicum

Credits: 4.00

Lecture:

College: College of Education

Department: Health & Human Performance

A practical field work experience under supervision in an approved recreational and leisure setting. (0-4-4)

HPER 3010 - Mat-Met in Health Education

Credits: 3.00

Lecture: 2.00

College: College of Education

Department: Health & Human Performance

This course is concerned with the understanding of the pedagogical basis and the content area for the total school health education program. Field experiences required. (2-2-3)

Prerequisites:

HPER 3050 - Mat-Met EC Phys Education

Credits: 3.00

Lecture: 2.00

College: College of Education

Department: Health & Human Performance

A study of principles and procedures in conducting a program of health and physical education in the early childhood grades. Emphasis will be placed on methods of effective teaching, classroom management, growth and development of motor skills, and liability issues in the classroom and the gymnasium environment. Field experience required.(2-2-3)

HPER 3090 - Adv Athletic Training

Credits: 3.00

Lecture: 2.00

College: College of Education

Department: Health & Human Performance

A concentrated study by means of participation, observation, discussion, and research pertaining to advanced topics in the evaluation of traumatic and non-traumatic athletic injuries, as well as injuries to children and older adults. (2-1-3)

Prerequisites:

HPER 2090 Minimum Grade: C

HPER 3100 - Community Health

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Health & Human Performance

Present day philosophy of the health care system including current needs and priorities in delivery of health services, intelligent consumer health selection, specific community health problems and solutions, and safety education. (3-0-3)

HPER 3230 - Assessment in Health & PE

Credits: 3.00

Lecture:

College: College of Education

Department: Education

Study of strategies designed to assess, analyze, and interpret data gained from the teachers systematic observation of students. (3-0-3)

HPER 3240 - Kinesiology**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Health & Human Performance

Study of the human movement, along with the various muscles, bones, and nerves utilized within those movements. (3-0-3)

Prerequisites:

(BIOL 2030 Minimum Grade: C and BIOL 2040 Minimum Grade: C) or (BIO 203 Minimum Grade: C and BIO 204 Minimum Grade: C)

HPER 3250H - Tests-Measurements PE-Honors**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Health & Human Performance

Honors class in methods in evaluating and testing in physical education and procedures to be used in evaluating these tests and their results, including statistical analysis. (3-0-3)

Prerequisites:

MATH 2204 Minimum Grade: C or MATH 2204H Minimum Grade: C or MTH 204 Minimum Grade: C

HPER 3260 - Exercise Physiology**Credits:** 3.00**Lecture:** 2.00**College:** College of Education**Department:** Health & Human Performance

The current practice and theory of exercise physiology as applied to work, physical education, and sports. (2-1-3)

Prerequisites:

(BIOL 2030 Minimum Grade: C and BIOL 2040 Minimum Grade: C) or (BIO 203 Minimum Grade: C and BIO 204 Minimum Grade: C)

HPER 3260H - Exercise Physiology-Honors**Credits:** 3.00**Lecture:** 2.00**College:** College of Education**Department:** Health & Human Performance

Honors class involving the current practice and theory of exercise physiology as applied to work, physical education, and sports

Prerequisites:

(BIOL 2030 Minimum Grade: C and BIOL 2040 Minimum Grade: C) or (BIO 203 Minimum Grade: C and BIO 204 Minimum Grade: C)

HPER 3280 - Exercise Testing-Pres**Credits:** 3.00**Lecture:** 2.00**College:** College of Education**Department:** Health & Human Performance

The purpose of this course is to provide exercise science/wellness students with theoretical and practical knowledge of the various techniques used in clinical exercise testing and prescription for various populations. (2-1-3)

Prerequisites:

HPER 3260 Minimum Grade: C

HPER 3280H - Exercise Testing-Pres**Credits:** 3.00**Lecture:** 2.00**College:** College of Education**Department:** Health & Human Performance

The purpose of this course is to provide exercise science/wellness students with theoretical and practical knowledge of the various techniques used in clinical exercise testing and prescription for various populations. (2-1-3) Honors Section

Prerequisites:

HPER 3260 Minimum Grade: C or HPER 3260H Minimum Grade: C

HPER 3300 - Principles of Strength-Cond

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Health & Human Performance

The purpose of this course is to provide students with theoretical and practical knowledge of the physiological, biomechanical, and administrative aspects of designing and supervising strength and conditioning programs for various populations. (3-0-3)

Prerequisites:

BIOL 2030 Minimum Grade: C

HPER 3310 - Exercise Leadership

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Health & Human Performance

This course is designed to teach leadership skills, motivational techniques, choreography, administrative functions dealing with equipment purchase, organization and use and experiences leading aerobic exercise formats for a variety of populations. (3-0-3)

Prerequisites:

MATH 2204 Minimum Grade: C or MTH 204 Minimum Grade: C

HPER 3310H - Exercise Leadership - Honors

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Health & Human Performance

(3-0-3)

HPER 3320 - Health Promotion

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Health & Human Performance

A study of the principles and procedures necessary to effectively conduct health promotion program. The emphasis will be placed on the role of the health professional in developing wellness and preventive-oriented interventions to promote healthy lifestyles. (3-0-3)

HPER 3330 - Ex Sci - Wellness Practicum

Credits: 4.00

Lecture:

College: College of Education

Department: Health & Human Performance

The purpose of this course is to provide exercise science/ wellness students with a practical field work experience under the supervision of a qualified fitness/wellness professional in an approved fitness/wellness setting. (0-4-4)

HPER 3350 - Org-Adm of Recreation

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Health & Human Performance

Deals with administrative problems common to playground and community center directors and others having executive responsibilities in the field of recreation. (3-0-3)

HPER 3400 - Health Behavior

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Health & Human Performance

This course is designed to provide health education and exercise science students with an understanding of theories and models upon which behavior change is based, and to practice skills and strategies that impact health behavior change. It is also designed to assist students in demonstrating a basic knowledge of the principles involved in motivation and program adherence and retention.

HPER 3410 - Recreation Leadership

Credits: 2.00

Lecture: 2.00

College: College of Education

Department: Health & Human Performance

This course deals with the philosophical and practical aspects of program construction, leadership skills, and methods. (2-0-2)

HPER 3450 - Exercise and Aging

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Health & Human Performance

This course addresses the contribution of human movement to the well-being and quality of life of aging populations. Principles, practice, and programs for seniors related to the concept of wellness and the myths, needs, and movement potential of aging persons are discussed. (3-0-3)

HPER 3500 - Recreation Planning

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Health & Human Performance

Provides an understanding of the principles and objectives of planning recreation programs, facilities, space, and the interdependent relationship of activities to physical environment.

Prerequisites:

HPER 2180 Minimum Grade: C

HPER 3550 - Spec Prob in Special Populat

Credits: 3.00

Lecture: 2.00

College: College of Education

Department: Health & Human Performance

Selected problems confronting individuals with special needs in the areas of physical development, therapeutic activities, and physiological performance. Field experience required. (2-2-3)

HPER 3600 - Tech of Teaching Sports Skills

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Health & Human Performance

Skills, appreciation, knowledge, and effective teaching techniques for individual, dual and team sports. (3-0-3)

HPER 3700 - Cont Issues in Health

Credits: 3.00

Lecture: 3.00

College: College of Education

Department: Health & Human Performance

Scientific study of health education with emphasis placed on the application of health facts and principles that are related to a better life physically, mentally and socially for the student today. (3-0-3)

HPER 3800 - Family Health Issues

Credits: 3.00

Lecture: 2.00

College: College of Education

Department: Health & Human Performance

The study of various health issues as they relate to relationships and family life. Topics include sexuality and sexual behavior, family planning, pregnancy and childbirth, parenting, communication and interpersonal relationships, and violence and abuse. Field experience required. (2-2-3)

HPER 3850 - Motor Development**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Health & Human Performance

This course focuses on the growth and development of the human being and the interaction of growth and development on human motor performance. Students examine the impact of motor development and motor learning, neuromuscular function, and information processing on motor skill acquisition and make application to teaching physical education (P-12). (3-0-3)

HPER 3900 - Clinical Exercise Physiology**Credits:** 3.00**Lecture:** 2.00**College:** College of Education**Department:** Health & Human Performance

Advanced course in clinical exercise testing and prescription as it relates to disease of the cardiovascular, pulmonary, metabolic, musculoskeletal, neuromuscular, and immunologic systems. The course is designed to provide the student with a basic understanding of the pathophysiology and exercise response in these populations. ACSM certification guidelines emphasized. (2-2-3)

Prerequisites:

HPER 3260 Minimum Grade: C

HPER 3920 - Neuromuscular Physiology**Credits:** 3.00**Lecture:** 3.00**College:** College of Education**Department:** Health & Human Performance

This course will assess the relationship between neuromuscular structure and function with a major focus on the understanding of the acute responses and chronic adaptations of skeletal muscle to physical activity, exercise, and specific types of training. Students will examine such topics as the biomechanical and morphological characteristics of skeletal muscles, fibers, neuromuscular regulation, bioenergetics of fatigue and muscle contractions, muscle plasticity related to development, growth, and adaptation, and the impact on the aging process on neuromuscular performance. (3-0-3)

Prerequisites:

HPER 3260 Minimum Grade: C

HPER 4010 - Theory and Coaching Football**Credits:** 2.00**Lecture:** 2.00**College:** College of Education**Department:** Health & Human Performance

Emphasis on the fundamentals of position play and methods of coaching offensive and defensive team play. The running, passing and kicking game will be presented. Complete organization of a football program. (2-0-2)

HPER 4020 - Theory-Coaching Basketball**Credits:** 2.00**Lecture:** 2.00**College:** College of Education**Department:** Health & Human Performance

Practical experience in fundamental skills and techniques, team play and strategy. Specific offense and defense analyzed. A definite plan of offense and defense presented. (2-0-2)

HPER 4050 - Recreation Internship**Credits:** 4.00**Lecture:****College:** College of Education**Department:** Health & Human Performance

The purpose of this course is to provide recreation students with a full-time work experience in a professional setting under a qualified recreation director for one academic semester. The student will work with a variety of recreation participants and populations while learning supervisory and leadership roles. Prerequisite: Completion of program coursework or approval of department chair. (0-4-4)

HPER 4060 - Recreation Internship**Credits:** 4.00**Lecture:****College:** College of Education**Department:** Health & Human Performance

The purpose of this course is to provide recreation students with a full-time work experience in a professional setting under a qualified recreation director for one academic semester. The student will work with a variety of recreation participants and populations while learning supervisory and leadership roles. Prerequisite: Completion of program coursework or approval of department chair. (0-4-4)

HPER 4070 - Recreation Internship**Credits:** 4.00**Lecture:****College:** College of Education**Department:** Health & Human Performance

The purpose of this course is to provide recreation students with a full-time work experience in a professional setting under a qualified recreation director for one academic semester. The student will work with a variety of recreation participants and populations while learning supervisory and leadership roles. Prerequisite: Completion of program coursework or approval of department chair. (0-4-4)

HPER 4100 - Exer Sci - Wellness Internship**Credits:** 4.00**Lecture:****College:** College of Education**Department:** Health & Human Performance

The purpose of this course is to provide exercise science/ wellness students with a full-time work experience in a professional fitness/wellness setting under a qualified fitness/wellness director for one academic semester. The student will work with a variety of fitness/wellness participants and populations while learning supervisory and leadership roles. Prerequisite: Completion of program coursework or approval of department chair. (0-13-4)

HPER 4110 - Exer Sci - Wellness Internship**Credits:** 4.00**Lecture:****College:** College of Education**Department:** Health & Human Performance

The purpose of this course is to provide exercise science/ wellness students with a full-time work experience in a professional fitness/wellness setting under a qualified fitness/wellness director for one academic semester. The student will work with a variety of fitness/wellness participants and populations while learning supervisory and leadership roles. Prerequisite: Completion of program coursework or approval of department chair. (0-13-4)

HPER 4120 - Exer Sci - Wellness Internship**Credits:** 4.00**Lecture:****College:** College of Education**Department:** Health & Human Performance

The purpose of this course is to provide exercise science/ wellness students with a full-time work experience in a professional fitness/wellness setting under a qualified fitness/wellness director for one academic semester. The student will work with a variety of fitness/wellness participants and populations while learning supervisory and leadership roles. Prerequisite: Completion of program coursework or approval of department chair. (0-13-4)

HPER ADD - Advanced Athletic Training**Credits:** 3.00**Lecture:** 2.00**College:** College of Nursing & Health Sc**Department:** Exercise Science**Human Resource Management****HRMT 3390 - Employment Law****Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Human Resource Management

HRMT 3390 is equivalent to MGNT 3390. The current status of legal statutes and issues in human resource management is analyzed. Emerging issues and trends are explored. (3-0-3) May not be enrolled in one of the following Class(es): Freshman.

Prerequisites:

HRMT 3670 Minimum Grade: C or MGNT 3670 Minimum Grade: C

HRMT 3670 - Intro to Human Resource Mgt

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Human Resource Management

HRMT 3670 is equivalent to MGNT 3670. The course is intended as an overview of the fields of human resource management. Emphasis will be placed on management responsibilities regarding the organization's human resources. (3-0-3) Many not be enrolled in one of the following Class(es): Freshman.

HRMT 3670S - Intro to HR Mgmt -Study Abroad

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Human Resource Management

This course is intended as an overview of the field of human resource management for the non-major. Emphasis will be placed on management responsibilities regarding the organization's human resources. Taken as part of a study abroad experience. (3-0-3) May not be enrolled in one of the following Class(es): Freshman

HRMT 4650 - Performance Management

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Human Resource Management

HRMT 4650 is equivalent to MGNT 4650. This course covers the continuous cyclical process of developing employees and positioning them for success, with emphasis on orientation programs, training and development, performance appraisals and feedback, talent management, employee relations, discipline, retention, and termination. (3-0-3) May not be enrolled in one of the following Class(es): Freshman.

Prerequisites:

MGNT 3670 Minimum Grade: C or HRMT 3670 Minimum Grade: C

HRMT 4670 - HR Staffing

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Human Resource Management

HRMT 4670 is equivalent to MGNT 4670. A project-oriented approach to the process of staffing organizations, from creating appropriate job description to finding the right places to search for candidates, to preparing good questions for interviews. The culmination of the courses is conducting real interviews with GSW students for jobs which lead to a hiring decision. Prerequisites: MGNT 3670 minimum grade C or HRMT 3670 minimum grade C. Co-requisites: none. (3-0-3) May not be enrolled in one of the following Class(es): Freshman.

Prerequisites:

MGNT 3670 Minimum Grade: C or HRMT 3670 Minimum Grade: C

HRMT 4680 - Compensation Management

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Human Resource Management

HRMT 4680 is equivalent to MGNT 4680. This course comes under the broad area of financial management and deals with rewards for the supply of labor. It addresses the ways in which both tangible and intangible forms of compensation may be used to motivate and reward employee performance. The course also deals with job analysis, job description and job evaluation on the basis of compensable factors as well as designing an equitable pay structure. Additionally, compensation management analyzes the influence of unions and government in determining the compensation of the labor force. It deals with the compensation of both hourly workers and managerial employees. (3-0-3) May not be enrolled in one of the following Class(es): Freshman.

Prerequisites:

MGNT 3670 Minimum Grade: C or HRMT 3670 Minimum Grade: C

HRMT 4690 - Labor Management Relations

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Human Resource Management

HRMT 4690 is equivalent to MGNT 4690. An analysis of the industrial relations problems organized labor and management, and the interrelationships of the union, its members, and the nonunion workers. (3-0-3) May not be enrolled in one of the following Class(es): Freshman

Prerequisites:

MGNT 3600 Minimum Grade: C or MGNT 3670 Minimum Grade: C or HRMT 3670 Minimum Grade: C

HRMT 4790 - Current Issues in Human Resour

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Human Resource Management

HRMT 4790 is equivalent to MGNT 4790. This course is designed for senior Human Resources students. It acts as a capstone course, and is conducted as a seminar. Current issues in the field of Human Resources will serve as a springboard for discussion and research. Students will have the opportunity to engage others in their field, and the instructor, in a collegial atmosphere designed to stimulate an appreciation and thorough understanding of the issues in the field. (3-0-3) May not be enrolled in one of the following class(es): Freshman, Sophomore, Junior.

Prerequisites:

MGNT 3390 Minimum Grade: C or HRMT 3390 Minimum Grade: C

Humanities**HUMA 2000S - Humanities I - Study Abroad**

Credits: 1.00 TO 3.00

Lecture: 1.00 TO 3.00

College: College of Arts and Sciences

Department: Arts and Sciences

A variable credit (1 to 3 semester hours) course on selected topics in the humanities studied abroad with an accredited college-level institution. Prerequisite: Permission of the respective study abroad program and approval of a GSW Transient Permission form. (1-0-1), (2-0-2) or (3-0-3)

HUMA 2020S - Humanities Elect Study Abroad

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Arts and Sciences

Interdisciplinary Studies**INDS 4000 - Interdiscipl. Studies Capstone**

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Arts and Sciences

INDS 4000 Interdisciplinary Studies Capstone. This course provides the opportunity for synthesis and critical assessment of multiple interdisciplinary foci into a coherent whole. Planned seminars, directed study, and a project will be used to demonstrate mastery of interdisciplinary study. Prerequisite: Senior standing in the Bachelor of General Studies degree program. (3-0-3)

International**INTL 1000 - Windows to the World**

Credits: 0.00

Lecture: 0.00

College: No College Designated

Department: Undeclared Department

Windows to the World seminars are designed to enhance students' intercultural skills and global awareness. All first-year, full-time students with nine or fewer credit hours are required to complete the Windows to the World graduation requirement by attending six or more Windows to the World seminars. To receive credit for attending, students must complete the seminar evaluation. May be repeated. (0-1-0)

INTL 2000 - Intercultural Studies Seminar

Credits: 1.00 TO 3.00

Lecture: 1.00 TO 3.00

College: No College Designated

Department: Undeclared Department

This variable credit course provides students a short-term study abroad experience that includes pre-departure orientation and substantive exploration of a world culture or region outside of the U.S. Students will demonstrate their intercultural learning through written reflections on their experiences and through activities such as classroom study, service learning projects, and research. Students are expected to present on their experiences to the campus community following their return. Each credit hour requires a minimum of 10 days of the study abroad experience and 15 hours of pre-departure and postexperience classroom time. (1-6-1 per credit hour. Variable credit of 1-3 hours.)

INTL 3000 - Spec. Topics Intercul Studies

Credits: 3.00

Lecture: 3.00

College: No College Designated

Department: Undeclared Department

This course will examine the concept of culture by identifying the skills, attitudes, and behaviors needed to communicate effectively in a global society. Students will gain an in-depth knowledge about the people, culture, languages and history of another country, including a basic grasp of the native language. Prerequisite: Permission of Instructor. (3-0-3)

INTL 3900 - Windows to the World Capstone

Credits: 0.00

Lecture: 0.00

College: No College Designated

Department: Undeclared Department

This noncredit directed study gives students the opportunity to complete the Windows to the World degree requirement by writing a reflective essay on their Windows to the World experiences. Prerequisites: completion of six INTL 1000- Windows to the World seminars (0-0-0)

Prerequisites:

INTL 1000 and INTL 1000 and INTL 1000 and INTL 1000 and INTL 1000 and INTL 1000

Internship

INTN 4920 - Governor's Internship

Credits: 3.00

Lecture:

College: College of Arts and Sciences

Department: History

Seminar in the general procedures and practices of student internships. This course is required of all student interns regardless of the area in which they are to receive intern credit. The course is designed to aid the student in performing the internship and to reward him for completion of the various tasks assigned by non-academic sources. See the Coordinator of Intern Program for information. (0-6-3)

INTN 4920A - Internship

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: History

(3-0-3)

INTN 4920B - Georgia Internship

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: History

(3-0-3) An analysis of family violence in the U.S. Topics include child maltreatment, intimate partner abuse, sexual violence and elderly abuse. Emphasis on social aspects of family violence and criminal justice responses.

INTN 4920C - Legislative Internship

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: History

(3-0-3)

INTN 4920D - Governor's Internship

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: History

(3-0-3)

INTN 4920E - Congressional Internship

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: History

(3-0-3)

Integrated Science

ISCI 2001 - Life & Earth Sci for Teachers

Credits: 3.00

Lecture: 2.00

College: College of Arts and Sciences

Department: Geology and Physics

This course is an integrated science course for Early Childhood Education students. This is a lecture course with an integrated lab component. Topics include: characteristics of life, interdependence of life, biodiversity, heredity, energy flow, cell structure and function, earth systems, lithosphere, hydrosphere, and the biosphere. (2-2-3)

ISCI 2001H - Life & Earth Sci for Tchrs-Hrs

Credits: 3.00

Lecture: 2.00

College: College of Arts and Sciences

Department: Geology and Physics

ISCI 2002 - Physical Science for Teachers

Credits: 3.00

Lecture: 2.00

College: College of Arts and Sciences

Department: Geology and Physics

A three-semester-hour course designed to meet the needs of Early Childhood Education Majors. This is a lecture course with an integrated lab component. The student will investigate areas of the physical sciences, including but not limited to: the scientific method, the nature and properties of matter, chemical and physical change, conservation laws, forms of energy and their interaction, forces, motion, simple machines, and the characteristics of sound, light, electricity and magnetism. (2-2-3)

Information Technology

IT 2000 - Web Design

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Computer Science

This course is developed as an introductory hands on course on Web design, Web development, related multimedia and document processing. This course will cover: 1) authoring languages and presentation software for multimedia processing, for media types such as text, sound, still images, animation, and video; 2) fundamental tools for Web design and development, including HTML, CSS and optional JavaScript client-side programming. A hands-on and lab based approach will be emphasized. (3-0-3)

Prerequisites:

CIS 1000 Minimum Grade: C

IT 2010 - Audio-Video Production Techn I

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Computer Science

This course deals with the principles and objectives involved in creating digital video projects. Students will get hands-on use of digital video camcorders, non-linear editing applications, effects applications, web encoding applications, DVD authoring applications, audio production tools, microphones, lighting kits, etc. (3-0-3)

IT 3000 - Advanced Web Design

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Computer Science

The course is an intermediate level course that delivers essential knowledge and skills of Web application development. It provides a comprehensive spectrum of preparation required for traditional client/server Web programming, Web design, and Web application development. This course will adopt an engineering centered approach which emphasizes coding and configuration of Web applications and associated Web Sites. In the framework of client/server model, this course will cover: 1) basic Webpage design skills through HTML and CSS; 2) client-side programming through JavaScript, including Ajax; 3) server-side programming through PHP, which can be substituted with Python, C#, or NodeJS; 4) integration with other Web technologies through XML. Other tools and software such as ASP.NET, Ruby and Rails may be covered if there is still room in the course schedule. (3-0-3)

Prerequisites:

CSCI 1302 Minimum Grade: C or IT 2000 Minimum Grade: C

IT 3020 - Audio-Video Production Tech II

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Computer Science

This course deals with the principles and objectives involved in creating digital video projects. Students will get hands on use of digital video camcorders, non-linear editing applications, effects applications, web encoding applications, DVD authoring applications, audio production tools, microphones, lighting kits, etc. (3-0-3)

IT 3300 - Systems Analysis Des/Impem I

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Computer Science

This course provides students with an introduction to technical and management issues in systems analysis and design. The course covers various issues such as SDLC model, CASE tools, the systems analyst and the different roles of a systems analyst in an organization. It introduces students to various information gathering techniques, tools for project management, CPM, PERT charts, issues and models for sampling data sources, ER diagrams, data flow diagrams and data dictionaries. It includes an in-depth treatment of prototyping, the role of the user in prototyping and the other issues related to prototyping. (3-0-3)

Prerequisites:

CSCI 1302 Minimum Grade: C

IT 4400 - Information Storage/Retrieval

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Computer Science

This course will discuss the data structures, techniques and algorithms needed to build information retrieval systems. Topics will include conceptual models of Information retrieval, text operations, query languages and operations, retrieval evaluation, indexing and searching, user interface and visualization. (3-0-3)

Prerequisites:

CSCI 2500 Minimum Grade: C

IT 4900 - Special Problems in IT

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Computer Science

This course provides students with an opportunity to study and explore current computer information systems topics not covered in any other course. Students will also have the opportunity to design and implement software systems for business environments and to expand on projects from previous classes. (3-0-3) Junior status or above

IT 4930 - Internship

Credits: 3.00

Lecture:

College: College of Business & Comp

Department: Computer Science

The Internship gives students an opportunity to apply and extend the theoretical knowledge acquired in the classroom to a practical experience. Topics for the internship projects are based on the undergraduate curriculum. (0-12-3) Senior status

Leadership

LEAD 1000 - Leadership Development

Credits: 1.00

Lecture: 2.00

College: College of Arts and Sciences

Department: Arts and Sciences

(2-0-1)

LEAD 1500 - Leadership in the Coll Envr

Credits: 1.00

Lecture: 1.00

College: College of Arts and Sciences

Department: Undeclared Department

This course provides a foundation for students to develop as leaders by utilizing research-based leadership literature and practice. This course will help students to understand and identify the complexities of leadership in a collegiate setting. Prerequisite: Permission of Instructor. (1-0-1)

LEAD 2000 - Leadership in Action

Credits: 1.00

Lecture: 1.00

College: College of Arts and Sciences

Department: Arts and Sciences

This course is a continuation of the leadership principles taught in LEAD 1000. Applications and strategies for working with college students in residence halls will be discussed along with the benefits of a residential component to a university campus. Students will gain an understanding of the Resident Assistant position as a leadership role among peers. Prerequisite: LEAD 1000 (1-0-1)

LEAD 2020 - Introduction to Leadership

Credits: 2.00

Lecture: 1.00

College: College of Arts and Sciences

Department: Arts and Sciences

This course is an introduction to the study of leadership. It explores the characteristics of leadership and leadership as a concept, a process, and an outcome. Students explore their own personality traits and tendencies, consider their experiences, identify their core beliefs and values, and discuss how these may enable leadership and promote civic engagement. Service learning hours are required. (1-2-2) Prerequisites: None

LEAD 2030 - Relational Leadership**Credits:** 2.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Arts and Sciences

This course explores how groups or organizations of people work together for shared purposes and enhances relational leadership, connecting community members to a shared paradigm of expectations and obligations, and how relational leadership practices value community as the context in which meaningful change can occur. (2-0-2)
Prerequisites: None

LEAD 2040 - Leadership Pract/Research I**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Arts and Sciences

This course will allow students to conduct a leadership practicum or supervised research project in the student's major that applies an aspect of the Social Change Model of Leadership Development, where applicable, under the supervision of an instructor of record. Prerequisite: Instructor approval (0-3-1)

LEAD 3030 - Leadership for Change**Credits:** 2.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Arts and Sciences

This course explores how leaders work to bring about change, associated challenges faced, and how to use individual strengths throughout the process. We will discuss leading communities and organizations with a positive mindset to ensure you are meeting your own goals while working towards a shared purpose. Prerequisite: Instructor approval (3-0-3)

LEAD 3030^{*} - Leadership for Change**Credits:** 2.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Arts and Sciences**LEAD 3040 - Leadership Pract/Research II****Credits:** 1.00 TO 3.00**Lecture:****College:** College of Arts and Sciences**Department:** Arts and Sciences

This course will allow students to conduct a leadership practicum or supervised research project in the student's major that applies an aspect of the Social Change Model of Leadership Development where applicable, under the supervision of an instructor of record. Prerequisite: Instructor approval Variable credit (0 - 3-9 - 1-3)

LEAD 4030 - Comm Leadership and Empowermnt**Credits:** 2.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Arts and Sciences**LEAD 4040 - Leadership Pract/Research III****Credits:** 1.00 TO 3.00**Lecture:****College:** College of Arts and Sciences**Department:** Arts and Sciences

This course will allow students to conduct a leadership practicum individually or as a group or conduct a supervised research project in the student's major that applies an aspect of the Social Change Model of Leadership Development, where applicable, under the supervision of an instructor of record. This course will serve as the capstone for the academic leadership certificate. Variable credit: (0 - 3-9 - 1-3) Prerequisite: Instructor approval

LIBR 1101 - FDNS of Information Literacy**Credits:** 2.00**Lecture:** 2.00**College:** Library**Department:** Library

This course will emphasize Information Literacy theory and its importance as a lifelong learning skill. The knowledge, analytical skills, and competencies gained through participation in the course will provide students with a basis for academic success in all disciplines. (1-0-1)

LIBR 1101H - FDNS of Info Literacy Honors**Credits:** 1.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** Arts and Sciences

This course will emphasize Information Literacy theory and its importance as a lifelong learning skill. The knowledge, analytical skills, and competencies gained through participation in the course will provide students with a basis for academic success in all disciplines. Honors section (1-0-1)

LIBR 3202 - Information Literacy Hlthcare**Credits:** 3.00**Lecture:** 3.00**College:** Library**Department:** Library

This course will emphasize Information Literacy theory and its importance for the Healthcare Professional. The knowledge, analytical skills, and competencies gained through successful completion in the course provides Healthcare Professionals with the skills to effectively identify, locate, use and evaluate information in a professional situation. (3-0-3) Pre-requisites: none Co-requisite: none.

Learning Support**LSPT 2000 - Tutor Training****Credits:** 1.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** English and Modern Languages

An introduction to contemporary learning theory and its application to one-to-one (tutorial) and small group learning situations. Emphasis will be placed on philosophy, procedures, and practice which are known to be effective on improving learning. Prerequisite: Recommendation of Department Chair, 3.00 GPA in course tutored, and permission from the instructor. (1-0-1)

Long Term Care Management**LTCM 3001 - Principles of Long Term Care****Credits:** 3.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Long Term Care Management

In this course, the basic principles and key elements of long term care are explored as guides for understanding of the expansion of managed care for long term care populations. (3-0-3) Pre-requisite: NURS 2002 Co-requisite: none.

Prerequisites:

(NURS 2002 Minimum Grade: C)

LTCM 3002 - Practice Issues Long Term Care**Credits:** 3.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Long Term Care Management

This course targets current practice issues affecting long term care settings. Institutional focused content includes subject matter on managing resident centered care, quality of life, resident rights, financial reimbursement and the service environment. Community based content includes subject matter on home and community based services, housing needs, quality of life, cost of care, transportation, socialization and self-care. (3-0-3) Pre-requisite: NURS 2002. co-requisite: none.

Prerequisites:

(NURS 2002 Minimum Grade: C)

LTCM 4001 - Long Term Care Mgt Capstone

Credits: 9.00

Lecture: 4.00

College: College of Nursing & Health Sc

Department: Long Term Care Management

A seminar approach in the virtual classroom encourages dialogue to assist students to understand the changing long-term care environment and prepare to manage within future of long-term care. This course is designed to combine classroom theory with practical application. The student is assisted to integrate academic learning with real-world learning by spending an average of ten hours/week in the semester with an assigned preceptor in an area of long-term care. (4-10-9) Pre-requisite: LTCM 3001, co-requisite: none.

Prerequisites:

(LTCM 3001 Minimum Grade: C)

Mathematics**MATH 0996 - Support -Elementary Statistics**

Credits: 1.00

Lecture: 1.00

College: College of Arts and Sciences

Department: Mathematics

This Learning Support course provides corequisite support for students enrolled in MATH 1401-Elementary Statistics. Topics will parallel topics being studied in MATH 1401 and the course will provide support for the essential skills needed to be successful in MATH 1401. Taken with MATH 1401, topics to be covered will include descriptive statistics, probability theory, confidence intervals, hypothesis testing, and other selected statistics topics. Co-requisite: MATH 1401. (1-0-1)

MATH 0996B - Co-Req - Elementary Statistics

Credits: 1.00

Lecture: 1.00

College: College of Arts and Sciences

Department: Mathematics

Corequisites:

MATH 1401

MATH 0997 - Support-Quantitative Reasoning

Credits: 1.00

Lecture: 1.00

College: College of Arts and Sciences

Department: Mathematics

MATH 0997-Support of Quantitative Reasoning, MATH 1001 paired support course designed to offer individual and group support in the area of mathematics. Course content will parallel essential skills needed to be successful in MATH 1001. This course carries institutional credit and will not count toward graduation. Grades of A, B, C, D and F will be distributed in this course. (1-0-1)

Corequisites:

MATH 1001

MATH 0997B - Co-Req- Quantitative Reasoning

Credits: 1.00

Lecture: 1.00

College: College of Arts and Sciences

Department: Mathematics

Corequisites:

MATH 1001

MATH 0998 - Support-Mathematical Modeling

Credits: 1.00

Lecture: 1.00

College: College of Arts and Sciences

Department: Mathematics

MATH 0998-Support of Mathematical Modeling, MATH 1101 paired support course designed to offer individual and group support in the area of mathematics. Course content will parallel essential skills needed to be successful in MATH 1101. This course carries institutional credit and will not count toward graduation. Grades of A, B, C, D, and F will be distributed in this course. (1-0-1)

Corequisites:

MATH 1101

MATH 0998B - Co-Requisite - Math Modeling

Credits: 1.00

Lecture: 1.00

College: College of Arts and Sciences

Department: Mathematics

MATH 0999 - Support-College Algebra

Credits: 1.00

Lecture: 1.00

College: College of Arts and Sciences

Department: Mathematics

MATH 1111-Paired Support is a course designed to offer individual and group support for students identified by the Math Placement index as needing supplemental instruction in area of mathematics. Course content will parallel essential skills needed to be successful in MATH 1111. This course carries institutional credit and will not count toward graduation. Grades A, B, C, D, and F will be distributed in this course. (1-0-1)

MATH 0999B - Co-Requisite - College Algebra

Credits: 1.00

Lecture: 1.00

College: College of Arts and Sciences

Department: Mathematics

Corequisites:

MATH 1111

MATH 1001 - Quantitative Reasoning

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Mathematics

This course is designed as an entrylevel college mathematics course at the same level as MATH 1111, but is intended for students who are not necessarily preparing for subsequent mathematics courses. This course emphasizes quantitative reasoning skills needed for informed citizens to understand the world around them. Topics include logic, inequalities and equations, functions, basic probability, data analysis and modeling from data. Prerequisite: General High School Mathematics (3-0-3)

MATH 1101 - Introduction to Math Modeling

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Mathematics

This course is designed as an entry-level college mathematics course at the same level as MATH 1111, but is intended for students who are not necessarily preparing for subsequent mathematics courses. It is an introduction to mathematical modeling based on the use of elementary functions, to describe and explore real world data and phenomena. Prerequisite: General High School Mathematics (3-0-3)

MATH 1101L - Math Modeling Lab

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Mathematics

This lab is required of students who place in MATH 1101, but have Math placement scores, which indicate they will be at risk. The lab gives students an opportunity to enhance their problem solving skills under the direction of an experienced instructor. Co-requisite: admission to MATH 1101 and appropriate placement score. (0-1-1)

Corequisites:

MATH 1101

MATH 1111 - College Algebra**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Mathematics

This course is a functional approach to algebra that incorporates the use of appropriate technology. Emphasis will be placed on the study of functions, and their graphs, inequalities, and linear, quadratic, piece-wise defined, rational, polynomial, exponential, and logarithmic functions. Appropriate applications will be included. General High School Mathematics. (3-0-3)

MATH 1111H - College Algebra-Honors**Credits:** 3.00**Lecture:** 4.00**College:** School of Comp and Mathematics**Department:** Mathematics

An Honors course that is a functional approach to algebra that incorporates the use of appropriate technology. Emphasis will be placed on the study of functions, and their graphs, inequalities, and linear, quadratic, piece-wise defined, rational, polynomial, exponential, and logarithmic functions. Appropriate applications will be included. This section is for students participating in the GSW Honors Program (3-0-3)

MATH 1111L - College Algebra Lab**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Mathematics

This lab is required of students who place in MATH 1111, but have Math placement scores, which indicate they will be at risk. The lab gives students an opportunity to enhance their problem solving skills under the direction of an experienced instructor. Co-requisite: admission to MATH 1111 and appropriate placement score. (0-1-1)

Corequisites:

MATH 1111

MATH 1113 - Precalculus**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Mathematics

This course is designed to prepare students for calculus, physics, and related technical subjects. Topics include an intensive study of algebraic and transcendental functions accompanied by analytic geometry. (3-0-3)
Prerequisite: Three years of high-school level mathematics.

MATH 1113H - Precalculus-Honors**Credits:** 3.00**Lecture:** 3.00**College:** School of Comp and Mathematics**Department:** Mathematics

This course is designed to prepare students for calculus, physics, and related technical subjects. Topics include an intensive study of algebraic and transcendental functions accompanied by analytic geometry. This section is for students participating in the GSW Honors Program. (3-0-3)

MATH 1120 - Calculus I**Credits:** 4.00**Lecture:** 4.00**College:** College of Arts and Sciences**Department:** Mathematics

A study of the fundamental concepts of the calculus: limits and continuity, differentiation, the mean value theorem, applications of differentiations, Riemann integration, the Fundamental Theorem of Calculus, and elementary applications of integration. (4-0-4)

Prerequisites:

MATH 1113 or MTH 113 or MATH 1113H

MATH 1120H - Calculus I - Honors**Credits:** 4.00**Lecture:** 4.00**College:** School of Comp and Mathematics**Department:** Mathematics

A study of the fundamental concepts of the calculus: limits and continuity, differentiation, the mean value theorem applications of differentiations, Riemann integration, the Fundamental Theorem of Calculus, and elementary applications of integration. This section is for students participating in the GSW Honors Program (4-0-4)

Prerequisites:

MATH 1113 or MATH 1113H or MTH 113

MATH 1401 - Elementary Statistics**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Mathematics

The study of the nature of statistics, the fundamental concepts of probability, the methods of collecting and analyzing data, and the techniques of making inferences based upon data. Technology, in the form of graphing calculators and statistical software, will be integrated in the course. (3-0-3)

MATH 1501 - eCore Calculus I**Credits:** 4.00**Lecture:** 4.00**College:** College of Arts and Sciences**Department:** Mathematics

ONLINE-Topics to include functions, limits, continuity, the derivative, antidifferentiation, the definite integral, and applications. (3-0-3)

Prerequisites:

(MATH 1113 Minimum Grade: C or MTH 113 Minimum Grade: C or MATH 1113H Minimum Grade: C)

MATH 2008 - Fdns of Numbers & Operations**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Mathematics

Introduces students to concepts of algebra, arithmetic and number theory appropriate for early childhood and middle grades classrooms. These include number bases, primality, divisibility and congruence, mental arithmetic and estimation, and techniques of problem solving and use of appropriate classroom technology. (3-0-3)

Prerequisites:

MATH 1111 Minimum Grade: C or MTH 110 Minimum Grade: C or MATH 1113 Minimum Grade: C or MTH 113 Minimum Grade: C

MATH 2204 - Elementary Statistics**Credits:** 3.00**Lecture:** 3.00**College:** School of Comp and Mathematics**Department:** Mathematics

The study of the nature of statistics, the fundamental concepts of probability, the methods of collecting and analyzing data, and the techniques of making inferences based upon data. Technology, in the form of graphing calculators and statistical software, will be integrated in the course. (3-0-3)

Prerequisites:

MATH 1111 or MATH 1001 or MATH 110 or MATH 1113 or MATH 113 or MATH 1101 or MATH 1113H or MATH 1001 or MATH 1501 or MATH 1111H or MATH 1101H

MATH 2204H - Elem Statistics- Honors**Credits:** 3.00**Lecture:** 3.00**College:** School of Comp and Mathematics**Department:** Mathematics

The study of the nature of statistics, the fundamental concepts of probability, the methods of collecting and analyzing data, and the techniques of making inferences based upon data. Technology, in the form of graphing calculators and statistical software, will be integrated in the course. This section is for students participating in the GSW Honors Program. (3-0-3)

Prerequisites:

MATH 1001 or MATH 1111 or MATH 1113 or MATH 113 or MATH 1101 or MATH 1113H

MATH 2221 - Calculus II

Credits: 4.00

Lecture: 4.00

College: College of Arts and Sciences

Department: Mathematics

This is a continuation of Calculus I. It deals with further applications of one variable integration, the techniques of integration, sequences, series, indeterminate forms and improper integrals. Technology, in the form of graphing calculators and modeling software, will be integrated in the course. (4-0-4)

Prerequisites:

MATH 1120 Minimum Grade: C or MTH 112 or MATH 1501 Minimum Grade: C

MATH 2221H - Calculus II-Honors

Credits: 4.00

Lecture: 4.00

College: School of Comp and Mathematics

Department: Mathematics

This is a continuation of Calculus I. It deals with further applications of one variable integration, the techniques of integration, sequences, series, indeterminate forms and improper integrals. Technology, in the form of graphing calculators and modeling software, will be integrated in the course. This section is for students participating in the GSW Honors Program. (4-0-4)

Prerequisites:

MATH 1120 or MATH 112

MATH 2222 - Calculus III

Credits: 4.00

Lecture: 4.00

College: College of Arts and Sciences

Department: Mathematics

This is a continuation of Calculus II. It introduces students to the notions of vector calculus commonly used in engineering and science applications: vector and scalar functions of several variables, gradients, curl and divergence, mini-max theorems, multiple integrals, line integrals, the theorems of Green, Gauss and Stokes, and their applications. Technology in the form of graphing calculators and modeling software, will be integrated in the course. (4-0-4)

Prerequisites:

MATH 2221 or MTH 210

MATH 2222H - Calculus III - Honors

Credits: 4.00

Lecture: 4.00

College: School of Comp and Mathematics

Department: Mathematics

This is a continuation of Calculus II. It introduces students to the notions of vector calculus commonly used in engineering and science applications: vector and scalar functions of several variables, gradients, curl and divergence, mini-max theorems, multiple integrals, the theorems of Green, Gauss and Stokes, and their applications. Technology in the form of graphing calculators and modeling software, will be integrated in the course. This section is for students participating in the GSW Honors Program.(4-0-4)

Prerequisites:

MATH 2221 or MATH 210

MATH 2223 - Discrete Systems I

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Mathematics

A course designed to give students an early experience of the power and applicability of discrete models in the solution of problems in mathematics, the sciences, computer science and engineering. Discrete Systems I focuses on linear algebra and its applications. (3-0-3)

Prerequisites:

MATH 2221 or MTH 210 or MATH 2222 or MTH 211

MATH 2223H - Discrete Systems I - Honors

Credits: 3.00

Lecture: 3.00

College: School of Comp and Mathematics

Department: Mathematics

A course designed to give students an early experience of the power and applicability of discrete models in the solution of problems in mathematics, the sciences, computer science and engineering. Discrete Systems I focuses on linear algebra and its applications. This section is for students participating in the GSW Honors Program. (3-0-3)

Prerequisites:

MATH 2221 or MTH 210 or MATH 2222 or MTH 211

MATH 2224 - Discrete Systems II

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Mathematics

A continuation of Discrete Systems I. Topics include graphs and algorithms, analysis of algorithms, Boolean logic, networks, discrete stochastic models, generating functions, and an applications-oriented introduction to topics in modern algebra. (3-0-3)

Prerequisites:

(MATH 2221 or MTH 210) or (MATH 2222 or MTH 211)

MATH 2224H - Discrete Systems II-Honors

Credits: 3.00

Lecture: 3.00

College: School of Comp and Mathematics

Department: Mathematics

Topics include number theory, graphs and algorithms, analysis of algorithms, Boolean logic, discrete stochastic models, and an applications-oriented introduction to modern algebra. This section is for students participating in the GSW Honors Program. (3-0-3)

Prerequisites:

MATH 2221 or MTH 210 or MATH 2222 or MTH 211

MATH 3002 - Geometry for Teachers

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Mathematics

Euclidean. Geometry appropriate for middle grades and early childhood teachers. Topics include similarity and congruence, measurement, isometry, and tessellation. (3-0-3)

Prerequisites:

MATH 1001 Minimum Grade: C or MATH 1101 Minimum Grade: C or MATH 1111 Minimum Grade: C or MATH 1113 Minimum Grade: C or MATH 1120 Minimum Grade: C or MATH 1501 Minimum Grade: C or MATH 1001H Minimum Grade: C or MATH 1101H Minimum Grade: C or MATH 1111H Minimum Grade: C or MATH 1113H Minimum Grade: C

MATH 3003 - Probability&Stats for Teachers

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Mathematics

This course is designed to teach students the concepts of probability and statistics appropriate for early childhood and middle grades classrooms, with emphasis on problem solving, active learning, and appropriate technology including calculators, electronic resources, and manipulatives. Students will also learn to use statistical techniques to make decisions in an educational environment. (3-0-3)

Prerequisites:

MATH 1001 Minimum Grade: C or MATH 1001H Minimum Grade: C or MATH 1101 Minimum Grade: C or MATH 1101H Minimum Grade: C or MATH 1111 Minimum Grade: C or MATH 1111H Minimum Grade: C or MATH 1113 Minimum Grade: C or MATH 1120 Minimum Grade: C or MATH 1501 Minimum Grade: C or MATH 1113H Minimum Grade: C

MATH 3004 - Algebra for P-8 Teachers

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Mathematics

Prerequisites:

MATH 1001 Minimum Grade: C or MATH 1001H Minimum Grade: C or MATH 1101 Minimum Grade: C or MATH 1101H Minimum Grade: C or MATH 1111 Minimum Grade: C or MATH 1111H Minimum Grade: C or MATH 1113 Minimum Grade: C or MATH 1113H Minimum Grade: C or MATH 1120 Minimum Grade: C or MATH 1501 Minimum Grade: C

MATH 3100 - Modern Geometry

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Mathematics

This course includes the study of topics in classical Euclidean Geometry, non-Euclidean Geometry (Spherical and Hyperbolic), Projective, Algebraic and Differential Geometry and Finite Geometry. The course also explores current research topics such as sphere packing and Fermat curves, and promotes the use of technology as a tool for geometric discovery. (3-0-3)

Prerequisites:

(MATH 2222 or MTH 212) and (MATH 2223 or MTH 312)

MATH 3200 - Number Theory

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Mathematics

This course includes the study of divisibility, congruence, quadratic reciprocity, Diophantine equations, continued fractions, multiplicative functions, algebraic and transcendental numbers, and promotes the use of technology to explore advanced topics of current interest. (3-0-3)

Prerequisites:

(MATH 2222 or MTH 212) and MATH 2224

MATH 3313 - Differential Equations

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Mathematics

This course provides students of mathematics, science and pre-engineering with a qualitative, numeric and analytic approach to the dynamical systems commonly encountered in their disciplines. (3-0-3)

Prerequisites:

(MATH 1120 or MTH 112 or MATH 1120H) and (MATH 2221 or MTH 210)

MATH 3313H - Differential Equations- Honors

Credits: 3.00

Lecture: 3.00

College: School of Comp and Mathematics

Department: Mathematics

This course provides students of mathematics, science and pre-engineering with a qualitative, numeric and analytic approach to the dynamical systems commonly encountered in their disciplines. This section is for students participating in the GSW Honors Program. (3-0-3)

Prerequisites:

(MATH 2222 or MTH 211) and (MATH 2223 or MTH 312)

MATH 3316 - Analysis I**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Mathematics

This course introduces students to the basic elements of mathematical analysis. Topics include the topology of Euclidean space, sequences and limits, continuity and differentiation, and Riemann integration. (3-0-3)

Prerequisites:

(MATH 2222 or MTH 211) and (MATH 2223 or MTH 312)

MATH 3317 - Analysis II**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Mathematics

A continuation of Analysis I. Topics include the integrals of Riemann-Stieltjes and Lebesgue, infinite series and products, sequences of functions, Fourier series and integrals. (3-0-3)

Prerequisites:

MATH 3316

MATH 3320 - Scientific Computation**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Mathematics

An introduction to the elements of modern scientific computing, using visualization, vector-level thinking skills, numeric models, and analytic techniques. (3-0-3)

Prerequisites:

(MATH 2222 or MTH 211) and (MATH 2223 or MTH 312) and (CSCI 1301 or CSC 220)

MATH 3322 - Adv Mathematical Modeling**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Mathematics

Teaches the art of mathematical modeling and the techniques of validation in deterministic and stochastic settings. (3-0-3)

or MATH 1401 (MATH 2222 or MTH 211) and (MATH 2204 or MTH 204) or (MATH 3325 or MTH 325)

MATH 3325 - Mathematical Statistics**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Mathematics

A course designed to give students of mathematics, computer science, the physical sciences, and pre-engineering a reasoned introduction to probability and statistics using the multivariable calculus. (3-0-3)

Prerequisites:

MATH 2222 or MTH 211

MATH 4412 - Modern Algebra I**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Mathematics

This course gives students an understanding of standard algebra structures: groups, rings, ideals and fields, and their relationship to models from number theory & geometry. (3-0-3)

Prerequisites:

(MATH 2222 or MTH 211) and MATH 2224

MATH 4413 - Modern Algebra II**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Mathematics

This is a continuation of Modern Algebra I. Topics include classification theorems for finite groups, field extensions, Galois theory and applications, algebraic coding theory. (3-0-3)

Prerequisites:

MATH 4412 or MTH 412

MATH 4440 - Partial Differential Equations**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Mathematics

The purpose of this course is to familiarize students with the elements of partial differential equations and related aspects of applied mathematics in a modeling context. Topics include boundary value problems, Fourier and generalized Fourier series, Fourier integrals, Laplace and Fourier transforms, the heat, wave, and potential equations. (3-0-3)

Prerequisites:

MATH 3313 or MTH 313

MATH 4442 - Complex Analysis**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Mathematics

An introduction to basic ideas concerning functions of one complex variable. Topics include analytic functions, Cauchy's integral theorem, series and products, calculus of residues, conformal mapping, asymptotic methods, and applications to heat conduction, electrostatics, aerodynamics and hydrodynamics. (3-0-3)

Prerequisites:

MATH 3313 or MTH 313

MATH 4442H - Complex Analysis Honors**Credits:** 3.00**Lecture:** 3.00**College:** School of Comp and Mathematics**Department:** Mathematics

An introduction to basic ideas concerning functions of one complex variable. Topics include analytic functions, Cauchy's integral theorem, series and products, Calculus of residues, conformal mapping, asymptotic methods, and applications to heat conduction, electrostatics, aerodynamics and hydrodynamics. This section is for students participating in the GSW Honors Program. (3-0-3)

Prerequisites:

MATH 3313 or MTH 313

MATH 4450 - Topology I**Credits:** 3.00**Lecture:** 3.00**College:** School of Comp and Mathematics**Department:** Mathematics

A study of general topological spaces, continuity, compactness, connectedness, separability, and characterization of metrizable spaces. (3-0-3)

Prerequisites:

MATH 3316 or MTH 314

MATH 4451 - Topology II**Credits:** 3.00**Lecture:** 3.00**College:** School of Comp and Mathematics**Department:** Mathematics

A continuation of Topology I, emphasizing the elements of geometric and algebraic topology. Topics include identification spaces, fundamental group, triangulations, surface theory and knot theory. (3-0-3)

Prerequisites:

(MATH 4450 or MTH 450) and (MATH 4412 or MTH 412)

MATH 4454 - Industrial Mathematics I

Credits: 3.00

Lecture: 3.00

College: School of Comp and Mathematics

Department: Mathematics

This course introduces students to a variety of mathematical techniques used to make organizational, scheduling, and optimization decisions in research and industrial settings. (3-0-3)

Prerequisites:

(MATH 3313 or MTH 313) and (MATH 3325 or MTH 325)

MATH 4455 - Industrial Mathematics II

Credits: 3.00

Lecture: 3.00

College: School of Comp and Mathematics

Department: Mathematics

A course that provides students with modeling and problem solving experiences that parallel applications of mathematics in industrial, and research and development settings. (3-0-3)

Prerequisites:

MATH 4440

MATH 4456 - Financial Engineering

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Mathematics

Financial Engineering is an introduction to mathematical methods of option pricing and option design using partial differential equations and numerical approximations. (3-0-3)

Prerequisites:

MATH 3325 and MATH 3317 and MATH 4440

MATH 4457 - Quantitative Finance

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Mathematics

Quantitative Finance introduces students to a variety of topics including exotic contracts and path dependence, fixed income modeling, credit risk, and Black-Scholes defects. (3-0-3)

Prerequisites:

MATH 4456

MATH 4458 - Comp Science & Engineering I

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Mathematics

Computational Science and Engineering I introduces students methods of linearization, discretion, dimensionality reduction, and coefficient modeling that are the core of modern approaches to computation in science and engineering. (3-0-3)

Prerequisites:

MATH 2223 and MATH 3313

MATH 4459 - Comp Science and EngineeringII

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Mathematics

Prerequisites:

MATH 4458 and MATH 3317 and MATH 4440

MATH 4490 - History and Philosophy of Math**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Mathematics

Topics in the history of mathematics for pre-service teachers. A capstone course emphasizing key ideas in algebra, geometry, probability and statistics, and number theory, in a historical and philosophical context. (3-0-3)

MATH 4490H - Hist & Phil of Math - Honors**Credits:** 3.00**Lecture:****College:** School of Comp and Mathematics**Department:** Mathematics

Topics in the history of mathematics for pre-service teachers. A capstone course emphasizing key ideas in algebra, geometry, probability and statistics, and number theory, in a historical and philosophical context. This section is for students participating in the GSW Honors Program (3-0-3)

MATH 4495 - Mathematics for Grad School**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Mathematics

This course is designed to give students in the BS in Mathematics program a coherent overview of undergraduate mathematics as it relates to graduate study, in a lecture, seminar, mini-research, and oral examination environment. Senior standing and approval of the chair of Mathematics. (3-0-3)

MATH 4499 - Sr Honors Thesis and Math**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Mathematics

An opportunity for qualified and highly motivated students in mathematics to do mentored research under the guidance of a member of the mathematics faculty. Senior standing and instructor's invitation. (3-0-3)

MATH 4850 - Spec Prob: Real Analysis**Credits:** 1.00 TO 3.00**Lecture:** 1.00 TO 3.00**College:** College of Arts and Sciences**Department:** Mathematics

Special Topics in Mathematics offers students a variety of courses, either as lecture, or independent study, in areas Mathematics, which are not represented in the list of courses in the University catalog. A topic may be offered a semester after it has been requested, subject to the approval of the department chair, and the instructor who will teach the course, or direct the independent study. Depending on the topic and depth of coverage, MATH 4850, may grant 1 to 3 hours of credit. (1-0-1, 2-0-2, 3-0-3).

Management**MGNT 3600 - Principles of Management****Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Management

This course covers management principles applicable to all types of cooperative enterprises. The vital functions of the manager are studied in detail. (3-0-3) May not be enrolled in one of the following Class(es): Freshman.

MGNT 3600H - Principles of Mgmt- Honors**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Management

See course descriptions for MGNT 3600. This section is for students participating in the GSW Honors Program.

MGNT 3610 - Operations Management**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Management

The application of management science principles to the actual management of an industrial plant. Through the application of these techniques, improved decisions are made as to hiring, firing, training, output planning and controlling, raw material acquisition, quality control budgeting, and maintenance expenditures as concerns the manufacturer of products. (3-0-3) May not be enrolled in one of the following Class(es): Freshman.

Prerequisites:

BUSA 3050 Minimum Grade: C and (MGNT 3600 Minimum Grade: C or MGT 312 Minimum Grade: C)

MGNT 3610H - Operations Management Honors**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Management

See course description for MGNT 3610. This section is for students participating in the GSW Honors Program.

MGNT 3650 - Intro to Internat'l Business**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Management

An introduction to the nature and environment of international business, multinational business operations, and the future of international business. (3-0-3) May not be enrolled in one of the following Class(es): Freshman.

MGNT 3650H - Intro to Internat'l Busi -Hnrs**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Management

An introduction to the nature and environment of international business, multinational business operations, and the future of international business. (3-0-3) May not be enrolled in one of the following Class(es): Freshman. Honors section

MGNT 3680 - Organizational Theory-Behav**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Management

This course is designed to explore the theory and application of behavioral interaction within organizations. Extensive use is made of practice exercises that require organizational effort in the learning environment. (3-0-3) May not be enrolled in one of the following Class(es): Freshman.

Prerequisites:

(MGNT 3600 Minimum Grade: C or MGT 312 Minimum Grade: C)

MGNT 3680H - Organizational Theory-Behav Hn**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Management

This course is designed to explore the theory and application of behavioral interaction within organizations. Extensive use is made of practice exercises that require organizational effort in the learning environment. (3-0-3) May not be enrolled in one of the following Class(es): Freshman. (Honors Section)

Prerequisites:

MGNT 3600 Minimum Grade: C or MGNT 3600H Minimum Grade: C or MGT 312 Minimum Grade: C

MGNT 3700 - Information System for Mgmt**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Management

This course covers the fundamental principles of information technology and illustrates the effective use of information technology in managerial decision making. The focus will be on the role of IT in formulating and implementing strategies for competitive advantage. (3-0-3)

Prerequisites:

(BUSA 2010 Minimum Grade: C or CIS 1000 Minimum Grade: C)

MGNT 4190 - Strategic Management

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Management

A study of business strategy and strategic planning in relation to company resources, the environment, and changes which may bring opportunities or threats. An opportunity to apply one's skills through strategic case analysis and through the management of a manufacturing firm in a computer-simulated business situation. (3-0-3)

May not be enrolled in one of the following Class(es): Freshman, Sophomore.

Prerequisites:

(MGNT 3600 Minimum Grade: C or MGT 312 Minimum Grade: C) and (MKTG 3800 Minimum Grade: C or MKT 320 Minimum Grade: C) and (BUSA 3150 Minimum Grade: C or BUS 313 Minimum Grade: C) and (BUSA 3050 Minimum Grade: C or BUS 350 Minimum Grade: C)

MGNT 4190H - Strategic Management Honors

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Management

Refer to the course description for MGNT 4190. This section is for students participating in the GSW Honors Program. (3-0-3)

MGNT 4260 - Small Bus/Entrepreneurship

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Management

An introduction to the world of small business including the principles of successful small business management. (3-0-3) May not be enrolled in one of the following Class(es): Freshman.

Prerequisites:

(MGNT 3600 Minimum Grade: C or MGT 312 Minimum Grade: C)

MGNT 4260H - Small Bus/Entrepreneur Hrs

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Management

An introduction to the world of small business including the principles of successful small business management. (3-0-3) May not be enrolled in one of the following Class(es): Freshman.

Prerequisites:

(MGNT 3600 Minimum Grade: C or MGT 312 Minimum Grade: C)

MGNT 4660 - Business Forecasting

Credits: 3.00

Lecture: 3.00

College: College of Business & Comp

Department: Management

This course is an introduction to the analysis of business fluctuations as a major factor in forecasting business activity on a general level as well as for the individual firm. The importance of forecasting is included along with consideration of macro-economic forces which affect forecasts and various methods of analysis for determination of cyclical factors and other methods of preparing and documenting forecasts. (3-0-3) May not be enrolled in one of the following Class(es): Freshman.

Prerequisites:

(BUSA 3050 Minimum Grade: C or BUS 313 Minimum Grade: C)

MKTG 3800 - Principles of Marketing**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Marketing

This course focuses on principles and methods involved in the movement of goods and services from producer to consumer. (3-0-30) May not be enrolled in one of the following Class(es): Freshman.

MKTG 3800H - Principles of Marketing Honors**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Marketing

This course focuses on principles and methods involved in the movement of goods and services from producer to consumer. Honors section (3-0-3) May not be enrolled in one of the following Class(es): Freshman.

MKTG 4800 - Personal Selling**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Management

This course is designed to provide the basic concepts and theories involved with developing and maintaining personal exchange relationships. Students participate in experiential exercises and selling role-playing to develop an understanding and appreciation of the skills required in being a successful salesperson. (3-0-3)

Prerequisites:

(MKTG 3800 Minimum Grade: C or MKT 320 Minimum Grade: C)

MKTG 4820 - Consumer Behavior**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Marketing

This course is a natural blending of psychology, social psychology, cultural anthropology, sociology, and marketing. Based on empirical research on what the consumer does and why, the course focuses on practical guidelines for the marketing manager. Decision-making models are analyzed, and implications for influencing decisions are highlighted. Although heavily laden with the conceptual frameworks of behavioral science, Consumer Behavior is taught as a marketing course. (3-0-3) May not be enrolled in one of the following Class(es): Freshman.

Prerequisites:

(MKTG 3800 Minimum Grade: C or MKT 320 Minimum Grade: C)

MKTG 4830 - Marketing Communications**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Marketing

This course is an overview of methods, procedures, strategies, and applications in communicating with consumer and business markets as an integral part of the promotion function with respect to mass communications (advertising and public relations), personal selling, direct marketing, and sales promotion. The various media which may be employed in these forms of the promotion function and the effects upon resulting buyer behavior will be evaluated and considered in their specific applications. (3-0-3) May not be enrolled in one of the following Class(es): Freshman.

Prerequisites:

(MKTG 3800 Minimum Grade: C or MKT 320 Minimum Grade: C)

MKTG 4830H - Marketing Comm Hnrs**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Marketing**Prerequisites:**

MKTG 3800 Minimum Grade: C

MKTG 4840 - Social Media Marketing**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Marketing

Provides students with knowledge and understanding of the history, importance, and real-world application of social media as a part of marketing strategy. Students will learn current social media platforms and their application in social media marketing strategies of current industry leaders. (3-0-3) May not be enrolled in one of the following Class(es): Freshman.

Prerequisites:

MKTG 3800 Minimum Grade: C or MKT 320 Minimum Grade: C or MKTG 3800H Minimum Grade: C

MKTG 4850 - Marketing Channels**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Marketing

An overview of methods, procedures, strategies, and applications in the management of channels of distribution of products and services from producer to final consumer sale. This includes retailing for consumer goods, personnel selling and sales management for business goods, as well as transportation and logistic services. Consumer behavior for household purchasing in the retail market and business buying behavior in the business market are also included. (3-0-3) May not be enrolled in one of the following Class(es): Freshman.

Prerequisites:

(MKTG 3800 Minimum Grade: C or MKT 320 Minimum Grade: C)

MKTG 4870 - Sports Marketing**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Marketing

Sports Marketing will build upon the marketing knowledge base and provide an overview of all the issues faced by marketing managers within the sports industry and outside the industry who market through sports. Students will be introduced to the unique qualities of the sports product and also examine the promotion mix, pricing and distribution issues as they relate to the sports industry. (3-0-3) May not be enrolled in one of the following Class(es): Freshman.

Prerequisites:

(MKTG 3800 Minimum Grade: C or MKT 320 Minimum Grade: C)

MKTG 4875 - Service Marketing**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Marketing

An analysis of the marketing aspects of the largest and most rapidly growing sector of the global economy. The principles and concepts of marketing are applied within the context of both consumer services and business services, in both domestic and international settings. (3-0-3) May not be enrolled in one of the following Class(es): Freshman or Sophomore.

Prerequisites:

MKTG 3800 Minimum Grade: C

MKTG 4890 - Marketing Management**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Marketing

An extension of the descriptive aspects of marketing principles into the arena of application. Emphasis is placed on the marketing planning process, environmental analysis, strategic marketing, and the effective implementation of marketing plans. (3-0-3) May not be enrolled in one of the following Class(es): Freshman.

Prerequisites:

(MKTG 3800 Minimum Grade: C or MKT 320 Minimum Grade: C)

MKTG 4895 - Marketing Analytics**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Marketing

Provide students with a theoretical and practical understanding of marketing analytics and techniques to improved marketing decisions. Students will actively engage in applying tools and techniques in order to make data-driven marketing decisions then communicate those conclusions. (3-0-3) May not be enrolled in one of the following class(es): Freshman

Prerequisites:

MKTG 3800 Minimum Grade: C

MKTG 4910 - Marketing Research**Credits:** 3.00**Lecture:** 3.00**College:** College of Business & Comp**Department:** Marketing

A course to provide the student with a working knowledge of the principles and theory of business research applied specifically to the marketing environment. The course stresses both concepts and application. (3-0-3) May not be enrolled in one of the following Class(es): Freshman.

Prerequisites:

(BUSA 3050 Minimum Grade: C or BUS 313 Minimum Grade: C) and (MKTG 3800 Minimum Grade: C or MKT 320 Minimum Grade: C) and BUSA 2010 Minimum Grade: C

Music**MUSC 0990 - Recital Laboratory****Credits:** 0.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

A weekly laboratory designed to provide experiences in hearing live performances of a wide variety of music including student recitals, guest performances, master classes, and other concerts listed by the music faculty. All majors must register for this class for seven semesters. Transfers will be assessed by the music faculty to determine how many semesters of MUSC 0990 they will need to complete their degree requirements. (0-1-0)

MUSC 1100 - Music Appreciation**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Music

Introduction to music listening and literature. A study of traditional forms of music from ancient times to the present with emphasis on the basic elements of music and their relationship. This study emphasizes the development of listening skills and musical understanding. (3-0-3)

MUSC 1100H - Honors Music Appreciation**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Music

Introduction to music listening and literature. A study of traditional forms of music from ancient times to the present with emphasis on the basic elements of music and their relationship. This study emphasizes the development of listening skills and musical understanding. This section is for students participating in the GSW Honors Program. (3-0-3)

MUSC 1100S - Music Apprec - Study Abroad**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Music

Introduction to music listening and literature. A study of traditional forms of music from ancient times to the present with emphasis on the basic elements of music and their relationship. This study emphasizes the development of listening skills and musical understanding. (3-0-3)

MUSC 1150 - History of Rock & Roll**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Music

The History of Rock and Roll is an in depth study of the origins of popular music in the 20th century and the social and historical context that gave birth to it and related genres and musical offshoots. 3-0-3

MUSC 1201 - Elementary Harmony Pt I**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Music

A study of the fundamentals of music including intervals, triads, keys, scales, modes, meter, part-writing, figured bass, harmonic analysis, and an intro to modulation. Theory Placement Test required. (3-0-3)

MUSC 1201H - Elementary Harmony Pt I-Honors**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Music

A study of the fundamentals of music including intervals, triads, keys, scales, modes, meter, part-writing, figured bass, harmonic analysis, and an intro to modulation. Theory Placement Test required. This section is for students participating in the GSW Honors Program. (3-0-3)

MUSC 1202 - Elementary Harmony Pt 2**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Music

Continuation of study covered in MUSC 1201 expanding to non-harmonic tones, 7th chords, secondary dominants, augmented 6th chords and Neapolitan 6th chords with harmonic analysis to early 19th century. (3-0-3)
Pre-requisites: MUSC 1201 Minimum Grade: C

Prerequisites:

MUSC 1201 Minimum Grade: C

MUSC 1211 - Sight Singing I**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

A course designed to develop sight reading skills involving ear training, keyboard performance skills, and sight singing. (1-0-1)

MUSC 1212 - Sight Singing II**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Continuation of study covered in MUSC 1211 concentrating on improving skills of ear-training, keyboard performance, and sight singing. (1-0-1)

Prerequisites:

MUSC 1211 Minimum Grade: C

MUSC 1401 - Group Piano I**Credits:** 2.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Practical skills and techniques for expressive piano performance, to include the following: reading, improvisation, harmonization, transposition, and sight reading. This course will also provide a variety of piano pieces in contrasting styles for solo and ensemble performance emphasizing melodic, rhythmic, and harmonic structures. (2-0-2)

MUSC 1402 - Group Piano II

Credits: 2.00

Lecture:

College: College of Arts and Sciences

Department: Music

Practical skills and techniques for expressive piano performance, maintaining and refining the techniques of reading, improvisation, harmonization, transposition, sight reading. This course will also build a repertory of solo piano pieces; analyze rhythmic, melodic, and harmonic structures; and perform solo pieces as well as accompaniments to instrumental and vocal solos. (2-0-2)

Prerequisites:

MUSC 1401 Minimum Grade: C

MUSC 1402H - Group Piano II Honors

Credits: 2.00

Lecture:

College: College of Arts and Sciences

Department: Music

Practical skills and techniques for expressive piano performance, maintaining and refining the techniques of reading, improvisation, harmonization, transposition sight reading. This course will also build a repertory of solo piano pieces; analyze rhythmic, melodic, and harmonic structures; and perform solo pieces as well as accompaniments to instrumental and vocal solos. Honors Section (2-0-2)

MUSC 151A - Flute

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Freshmen music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 151B - Oboe

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Freshmen music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 151C - Clarinet

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Freshmen music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 151D - Clarinet Bass

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Freshmen music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 151E - Bassoon

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Freshmen music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 151F - Saxophone Alto**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 151G - Saxophone Tenor**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 151H - Trumpet**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 151I - French Horn**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 151J - Trombone**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 151K - Euphonium**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 151L - Tuba**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 151M - Percussion**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 151N - Piano**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 151P - Organ**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 151Q - Harpsichord**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 151V - Violin**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 151W - Voice**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 151X - Guitar**Credits:** 1.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** Music

Freshmen music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 151Y - String Bass**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music majors only. Lab fee required. Must register for band or choir. (0-1-1)

MUSC 152A - Flute**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 151A

MUSC 152B - Oboe**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 151B

MUSC 152C - Clarinet

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Freshmen music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 151C

MUSC 152D - Bass Clarinet

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Freshmen music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 151D

MUSC 152E - Bassoon

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Freshmen music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 151E

MUSC 152F - Saxophone Alto

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Freshmen music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 151F

MUSC 152G - Saxophone Tenor

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Freshmen music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 151G

MUSC 152H - Trumpet

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Freshmen music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 151H

MUSC 152I - French Horn

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Freshmen music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 151I

MUSC 152J - Trombone

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Freshmen music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 151J

MUSC 152K - Euphonium

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Freshmen music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 151K

MUSC 152L - Tuba

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Freshmen music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 151L

MUSC 152M - Percussion

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Freshmen music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 151M Minimum Grade: C

MUSC 152N - Piano

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Freshmen music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 151N

MUSC 152P - Organ

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Freshmen music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 151P

MUSC 152Q - Harpsichord

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Freshmen music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 151Q

MUSC 152V - Violin

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Freshmen music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 151V

MUSC 152W - Voice

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Freshmen music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 151W Minimum Grade: C

MUSC 152X - Guitar

Credits: 1.00

Lecture: 1.00

College: College of Arts and Sciences

Department: Music

Freshmen music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 151X Minimum Grade: C

MUSC 152Y - String Bass

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Freshmen music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 151Y Minimum Grade: C

MUSC 171A - Flute

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Freshmen music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 171B - Oboe

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Freshmen music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 171C - Clarinet

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Freshmen music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 171D - Clarinet Bass**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 171E - Bassoon**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 171F - Saxophone Alto**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 171G - Saxophone Tenor**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 171H - Trumpet**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 171I - French Horn**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 171J - Trombone**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 171K - Euphonium**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 171L - Tuba**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 171M - Percussion**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 171N - Piano**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 171P - Organ**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 171W - Voice**Credits:** 1.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** Music

Freshmen music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 171X - Guitar**Credits:** 1.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** Music

Freshmen music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 172 - Applied Music**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 171 Minimum Grade: C or MUS 161 Minimum Grade: C

MUSC 172A - Flute**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 171A Minimum Grade: C

MUSC 172B - Oboe**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 171B Minimum Grade: C

MUSC 172C - Clarinet**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 171C Minimum Grade: C or MUS 161C Minimum Grade: C

MUSC 172D - Clarinet Bass**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 171D Minimum Grade: C or MUS 161D Minimum Grade: C

MUSC 172E - Bassoon**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music minors only. Lab fee required. Must register for Band or Choir. (0-1-1).

Prerequisites:

MUSC 171E Minimum Grade: C

MUSC 172F - Saxophone Alto**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 171F Minimum Grade: C

MUSC 172G - Saxophone Tenor**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 171G Minimum Grade: C or MUS 1610 Minimum Grade: C

MUSC 172H - Trumpet**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 171H Minimum Grade: C

MUSC 172I - French Horn**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 171I Minimum Grade: C

MUSC 172J - Trombone**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 171J Minimum Grade: C

MUSC 172K - Euphonium**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 171K Minimum Grade: C

MUSC 172L - Tuba**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 171L Minimum Grade: C or MUS 171S Minimum Grade: C

MUSC 172M - Percussion**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 171M Minimum Grade: C

MUSC 172N - Piano**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 171N Minimum Grade: C

MUSC 172P - Organ**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 171P Minimum Grade: C

MUSC 172Q - Harpsichord**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 171Q Minimum Grade: C or MUS 171Y Minimum Grade: C

MUSC 172W - Voice**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Freshmen music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 171W Minimum Grade: C or MUS 171W Minimum Grade: C

MUSC 172X - Guitar**Credits:** 1.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** Music

Minor area. Freshman level. One hour guitar lesson per week.

Prerequisites:

MUSC 171X Minimum Grade: C

MUSC 2010 - SW Civic Chorus**Credits:** 1.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Music

A mixed, non-auditioned choral organization comprised of students, faculty, and townspeople, performing major choral works with piano/organ or orchestral accompaniment. May be repeated. (2-0-1)

MUSC 2030 - GSW Chamber Singers**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

An auditioned chamber choral ensemble specializing in Renaissance madrigal repertoire, vocal chamber literature, and 20th century vocal jazz. Especially geared towards music majors as an introduction to choral literature beyond the level of Concert Choir. May be repeated. (3-0-1) Co-requisites: MUSC 2090

Corequisites:

MUSC 2090

MUSC 2080 - GSW Concert Band**Credits:** 1.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Music

An instrumental ensemble which provides the student an opportunity to study and perform the best in standard and contemporary band literature. May be repeated. (2-0-1)

MUSC 2090 - GSW Concert Choir**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

A mixed, non-auditioned choral organization performing Renaissance through 20th Century repertoire for collegiate level performance standards. May be taken more than once. (2-0-1)

MUSC 2110 - University Concert Band**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Visual Arts

An auditioned instrumental organization which provides the student an opportunity to study and perform the best in standard and contemporary band literature. Credit: 1 hour. Offered F, Sp. May be taken more than once.

MUSC 2120 - Small Ensemble**Credits:** 1.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Music

An auditioned chamber ensemble performance experience in brass, woodwind, and percussion instruments. May be repeated. (2-0-1)

MUSC 2130 - Jazz Band**Credits:** 1.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Music

An auditioned jazz band which provides the student an opportunity to study and perform the best in jazz literature. Opportunities for solo-improvisation are provided. May be repeated. (2-0-1)

MUSC 2203 - Intermediate Harmony**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Music

Continuation of materials covered in MUSC 1201 & 1202 expanding to mid and later 19th Century harmonic analysis, melody harmonization, introductory composition exercises, and an introduction to arranging, orchestration, and counterpoint. (3-0-3)

Prerequisites:

MUSC 1202 Minimum Grade: C

MUSC 2203H - Intermediate Harmony Honors**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Music**MUSC 2213 - Sight Singing III****Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Continuation of sight reading and sight singing skills taught in MUSC 1211 and 1213 with emphasis on ear-training, keyboard performance skills, and singing. (1-0-1)

Prerequisites:

MUSC 1212 Minimum Grade: C

MUSC 2214 - Sight Singing IV**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Continuation of sight reading and sight singing skills taught in MUSC 1211, 1213, and 2213 with emphasis on ear training, keyboard performance skills, and singing. (1-0-1)

Prerequisites:

MUSC 2213 Minimum Grade: C

MUSC 2400 - Introduction to Conducting**Credits:** 1.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Music

Introduction and development of skills basic to instrumental and choral conducting. (2-0-1)

Prerequisites:

MUSC 1201 Minimum Grade: C

MUSC 251A - Flute**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 152A Minimum Grade: C

MUSC 251B - Oboe**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 152B Minimum Grade: C

MUSC 251C - Clarinet**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 152C Minimum Grade: C

MUSC 251D - Clarinet Bass**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 152D Minimum Grade: C

MUSC 251E - Bassoon**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 152E Minimum Grade: C

MUSC 251F - Saxophone Alto**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 152F Minimum Grade: C

MUSC 251G - Saxophone Tenor**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 152G Minimum Grade: C

MUSC 251H - Trumpet**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 152H Minimum Grade: C

MUSC 251I - French Horn**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 152I Minimum Grade: C

MUSC 251J - Trombone**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 152J Minimum Grade: C

MUSC 251K - Euphonium**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 152K Minimum Grade: C

MUSC 251L - Tuba**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 152L Minimum Grade: C

MUSC 251M - Percussion**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 152M Minimum Grade: C

MUSC 251N - Piano**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 152N Minimum Grade: C

MUSC 251P - Organ**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 152P Minimum Grade: C

MUSC 251Q - Harpsichord**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 152Q Minimum Grade: C

MUSC 251V - Violin**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 152V Minimum Grade: C

MUSC 251W - Voice**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 152W Minimum Grade: C

MUSC 251X - Guitar**Credits:** 1.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 152X Minimum Grade: C

MUSC 251Y - String Bass**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 152Y Minimum Grade: C

MUSC 252A - Flute**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 251A Minimum Grade: C

MUSC 252B - Oboe

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 251B Minimum Grade: C

MUSC 252C - Clarinet

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 251C Minimum Grade: C or MUS 251C Minimum Grade: C

MUSC 252D - Clarinet Bass

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 251D Minimum Grade: C or MUS 251D Minimum Grade: C

MUSC 252E - Bassoon

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 251E Minimum Grade: C

MUSC 252F - Saxophone Alto

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 251F Minimum Grade: C

MUSC 252G - Saxophone Tenor

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 251G Minimum Grade: C or MUS 251O Minimum Grade: C

MUSC 252H - Trumpet

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 251H Minimum Grade: C

MUSC 252I - French Horn**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 251I Minimum Grade: C

MUSC 252J - Trombone**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 251J Minimum Grade: C

MUSC 252K - Euphonium**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 251K Minimum Grade: C

MUSC 252L - Tuba**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 251L Minimum Grade: C or MUS 251S Minimum Grade: C

MUSC 252M - Percussion**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 251M Minimum Grade: C

MUSC 252N - Piano**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 251N Minimum Grade: C

MUSC 252P - Organ**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 251P Minimum Grade: C

MUSC 252Q - Harpsichord**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 251Q Minimum Grade: C or MUS 251Y Minimum Grade: C

MUSC 252V - Violin**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 252W - Voice**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 251W Minimum Grade: C or MUS 251W Minimum Grade: C

MUSC 252X - Guitar**Credits:** 1.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 251X Minimum Grade: C

MUSC 252Y - String Bass**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 251Y Minimum Grade: C

MUSC 2650 - Early Childhood Music**Credits:** 2.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Music

A study of the fundamental concepts of music needed by early childhood grade teachers and the application of the concepts to musical activities appropriate for growth and development in music at this level. (2-0-2)

MUSC 271A - Flute**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 172A Minimum Grade: C

MUSC 271B - Oboe

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Sophomore music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 172B Minimum Grade: C

MUSC 271C - Clarinet

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Sophomore music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 172C Minimum Grade: C

MUSC 271D - Clarinet Bass

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Sophomore music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 172D Minimum Grade: C

MUSC 271E - Bassoon

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Sophomore music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 172E Minimum Grade: C

MUSC 271F - Saxophone Alto

Credits: 1.00

Lecture: 1.00

College: College of Arts and Sciences

Department: Music

Sophomore music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 172F Minimum Grade: C

MUSC 271G - Saxophone Tenor

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Sophomore music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 172G Minimum Grade: C

MUSC 271H - Trumpet

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Sophomore music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 172H Minimum Grade: C

MUSC 271I - French Horn**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 172I Minimum Grade: C

MUSC 271J - Trombone**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 172J Minimum Grade: C

MUSC 271K - Euphonium**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 172K Minimum Grade: C

MUSC 271L - Tuba**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 172L Minimum Grade: C

MUSC 271M - Percussion**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 172M Minimum Grade: C

MUSC 271N - Piano**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 172N Minimum Grade: C

MUSC 271P - Organ**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 172P Minimum Grade: C

MUSC 271Q - Harpsichord**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 172Q Minimum Grade: C

MUSC 271V - Violin**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 172V Minimum Grade: C

MUSC 271W - Voice**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 172W Minimum Grade: C

MUSC 271X - Guitar**Credits:** 1.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** Music

Sophomore music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 172X Minimum Grade: C

MUSC 272A - Flute**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 271A Minimum Grade: C

MUSC 272B - Oboe**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 271B Minimum Grade: C

MUSC 272C - Clarinet**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 271C Minimum Grade: C or MUS 271C Minimum Grade: C

MUSC 272D - Clarinet Bass

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Sophomore music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 271D Minimum Grade: C or MUS 271D Minimum Grade: C

MUSC 272E - Bassoon

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Sophomore music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 271E Minimum Grade: C

MUSC 272F - Saxophone Alto

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Sophomore music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 271F Minimum Grade: C

MUSC 272G - Saxophone Tenor

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Sophomore music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 271G Minimum Grade: C

MUSC 272H - Trumpet

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Sophomore music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 271H Minimum Grade: C

MUSC 272I - French Horn

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Sophomore music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 271I

MUSC 272J - Trombone

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Sophomore music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 271J Minimum Grade: C

MUSC 272K - Euphonium**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 271K Minimum Grade: C

MUSC 272L - Tuba**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 271L Minimum Grade: C or MUS 271S Minimum Grade: C

MUSC 272M - Percussion**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 271M

MUSC 272N - Piano**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 271N Minimum Grade: C

MUSC 272P - Organ**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 271P Minimum Grade: C

MUSC 272Q - Harpsichord**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 271Q

MUSC 272W - Voice**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Sophomore music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 271W

MUSC 272X - Guitar**Credits:** 1.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** Music

Sophomore music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 271X Minimum Grade: C

MUSC 3000 - Piano Proficiency**Credits:** 1.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** Music

MUSC 3000 Piano Proficiency is an advanced piano course that is designed to assist students in acquiring functional keyboard skills necessary for completing the piano proficiency examination. Prerequisite: MUSC 1402

Group Piano II or Permission of Department/Instructor. (1-0-1)

Prerequisites:

MUSC 1402

MUSC 3020 - Music in Film**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Music

Music in Film is an introduction to the history and aesthetics of music written for Hollywood films. The course will explore the sociology, philosophy, psychology, and technique of film music. Students will review the elements of musical style, with particular emphasis on their relation to the dramatic aspects of film, and explore critical analysis of the use of music in various American film genres. (3-0-3)

MUSC 3040 - GSW Chamber Singers**Credits:** 1.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Music

An advanced auditioned chamber choral ensemble specializing in Renaissance madrigal repertoire, vocal chamber literature, and 20th century vocal jazz. Especially geared towards music majors as an introduction to choral literature beyond the level of Concert Choir. (3-0-1)

Corequisites:

MUSC 2090

MUSC 3090 - Music in the Elementary School**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Music

This course is designed to acquaint the student with the curriculum, materials, and methods of teaching music in preschool through elementary grades. (3-0-3) Pre-requisite: MUSC 3204 Minimum grade: C

Prerequisites:

MUSC 3204 Minimum Grade: C

MUSC 3093 - Choral Music, Secondary School**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Music

A course involved with materials and methods necessary in conducting a secondary choral music program. (3-4-3)

Prerequisites:

MUSC 3090 Minimum Grade: C

MUSC 3103 - Instrumental Music, Secondary**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Music

Designed to provide future band directors with the foundations and principles for teaching instrumental music in the secondary school. (3-4-3) Pre-requisites: MUSC 3071 Minimum grade: C and MUSC 3082 Minimum grade: C and MUSC 3090 Minimum grade: C.

Prerequisites:

MUSC 3090 Minimum Grade: C

MUSC 3120 - Small Ensemble**Credits:** 1.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Music

An advanced auditioned chamber ensemble performance experience in brass, woodwind and percussion instruments. Especially geared towards music majors as an introduction to instrumental literature above the level of the Concert Band. (2-0-1)

MUSC 3131 - Pop Music and Culture**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Music

Pop Music and Culture examines the historical and significance of popular music and culture in the United States from the late nineteenth century to the present. The course will focus on the cultural, social, political, and economic dimensions of genres ranging from Tin Pan Alley to Blues, jazz, country, folk, soul, rock, disco, hip-hop, punk, rap, and Indie. No Prerequisites. (3-0-3)

MUSC 3155 - Mus Hist Ancient to Baroque**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Music

A study of music from ancient Greek and early Christian music to the end of the Baroque period. (3-0-3)

Prerequisites:

MUSC 1201 Minimum Grade: C

MUSC 3165 - Mus Hist - Classic to Modern**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Music

A study of music from the Classical period to present day. (3-0-3)

Prerequisites:

MUSC 1201 Minimum Grade: C and MUSC 3155 Minimum Grade: C

MUSC 3180 - History - Multicultural**Credits:** 2.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Music

Designed to offer an introduction to music other than that developed from the European tertian harmonic (major/minor) tradition including an examination of the music, instruments, and cultures of India, the Middle East, Greece, China, Japan, Indonesia, Africa, Latin America, and the North American Indian and African American. (2-0-2)

Prerequisites:

MUSC 1201 Minimum Grade: C

MUSC 3190 - Music History: American Music**Credits:** 2.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Music

American Music is a course designed to study the development of music in the United States. The focus will be on both the vernacular traditions including hymn singing, country music, jazz, blues, big band, and rock, as well as the cultivated traditions of Art music from William Billings to John Cage. 2-0-2

MUSC 3200 - Brass Techniques**Credits:** 1.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Music

Acquaints students with the performance fundamentals and teaching methods for brass instruments. (2-0-1)

Prerequisites:

MUSC 1201 Minimum Grade: C

MUSC 3204 - Adv Harmony**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Music

Application of principle and techniques acquired in MUSC 1201, 1202, 2203 with examination of late 19th and 20th Century harmonic techniques and a continuation of harmonic and formal analysis and applications of counterpoint. (3-0-3)

Prerequisites:

MUSC 2203 Minimum Grade: C

MUSC 3210 - Woodwind Techniques**Credits:** 1.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Music

Concentrates on the performance fundamentals and teaching methods for woodwind instruments. (2-0-1)

Pre-requisite: MUSC 1201 Minimum grade: C.

Prerequisites:

MUSC 1201 Minimum Grade: C

MUSC 3220 - String Techniques**Credits:** 1.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Music

Designed to provide techniques for performance and methods of teaching stringed instruments (violin family). (2-0-1)

Prerequisites:

MUSC 1201 Minimum Grade: C

MUSC 3230 - Percussion Techniques**Credits:** 1.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Music

Provides students with the techniques for performance and methods of teaching percussion instruments. (2-1-0)

Prerequisites:

MUSC 1201 Minimum Grade: C

MUSC 3240 - Perf and Teach Meth-Clrm Inst**Credits:** 1.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Music

Concentrates on basic performance skills on recorder, guitar and Orff instruments. Students will perform selected melodic and harmonic musical examples. Additionally, students will accompany selected compositions using I-IV-V chords in keys of C-F and G. Credit: 1 hour. Offered every four semesters. (1-0-1)

Prerequisites:

MUSC 1201 Minimum Grade: C

MUSC 3250 - Voice Techniques**Credits:** 2.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Designed to study voice and basic principles of its use, including vocal techniques for individual and group performance. Basic techniques of vocal pedagogy are emphasized. (2-0-2).

Prerequisites:

MUSC 1201 Minimum Grade: C

MUSC 3300 - Choral Conducting**Credits:** 1.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Music

Provides students with basic skills in choral conducting including hand and baton techniques, score study, rehearsal techniques and performance practices. (2-0-1) Pre-requisites: MUSC 2400 Minimum grade C and MUSC 2090. Taken concurrently with MUSC 2090.

Prerequisites:

MUSC 2400 Minimum Grade: C and MUSC 2090 Minimum Grade: C

MUSC 3310 - Instrumental Conducting**Credits:** 1.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Music

Develops basic skills in instrumental conducting, including hand and baton techniques, score study, rehearsal techniques and performance practices. (2-0-1). Pre-requisites: MUSC 2400 Minimum grade C. Taken concurrently with MUSC 2080.

Corequisites:

MUSC 2080

Prerequisites:

MUSC 2400 Minimum Grade: C

MUSC 3400 - Junior Recital**Credits:** 1.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** Music

Taken concurrently with MUSC 352 or MUSC 372 Applied Music. Student will work with Applied Music Instructor and Accompanist in preparation for 20-30 minute recital program. (1-0-1)

Prerequisites:

MUSC 3000

MUSC 351A - Flute**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 252A Minimum Grade: C

MUSC 351B - Oboe

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 252B Minimum Grade: C

MUSC 351C - Clarinet

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 252C Minimum Grade: C

MUSC 351D - Clarinet Bass

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 252D Minimum Grade: C

MUSC 351E - Bassoon

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 252E Minimum Grade: C

MUSC 351F - Saxophone Alto

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 252F Minimum Grade: C

MUSC 351G - Saxophone Tenor

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 252G Minimum Grade: C

MUSC 351H - Trumpet

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 252H Minimum Grade: C

MUSC 351I - French Horn**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 252I Minimum Grade: C

MUSC 351J - Trombone**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 252J Minimum Grade: C

MUSC 351K - Euphonium**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 252K Minimum Grade: C

MUSC 351L - Tuba**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 252L Minimum Grade: C

MUSC 351M - Percussion**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 252M Minimum Grade: C

MUSC 351N - Piano**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 252N Minimum Grade: C

MUSC 351P - Organ**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 252P Minimum Grade: C

MUSC 351Q - Harpsichord**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 252Q Minimum Grade: C

MUSC 351V - Violin**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior Music majors only. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 252V Minimum Grade: C

MUSC 351W - Voice**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 252W Minimum Grade: C

MUSC 351X - Guitar**Credits:** 1.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 252X Minimum Grade: C

MUSC 351Y - String Bass**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 252Y Minimum Grade: C

MUSC 352A - Flute**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 351A Minimum Grade: C

MUSC 352B - Oboe**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 351B Minimum Grade: C

MUSC 352C - Clarinet**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 351C Minimum Grade: C MUS 351C Minimum Grade: C

MUSC 352D - Clarinet Bass**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 351D Minimum Grade: C or MUS 351D Minimum Grade: C

MUSC 352E - Bassoon**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 351E Minimum Grade: C or MUS 351B Minimum Grade: C

MUSC 352F - Saxophone Alto**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 351F Minimum Grade: C

MUSC 352G - Saxophone Tenor**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 351G Minimum Grade: C or MUS 351O Minimum Grade: C

MUSC 352H - Trumpet**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 351H Minimum Grade: C

MUSC 352I - French Horn**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 351I Minimum Grade: C

MUSC 352J - Trombone**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 351J Minimum Grade: C

MUSC 352K - Euphonium**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 351K Minimum Grade: C

MUSC 352L - Tuba**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 351L Minimum Grade: C or MUS 351S Minimum Grade: C

MUSC 352M - Percussion**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 351M Minimum Grade: C

MUSC 352N - Piano**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 351N Minimum Grade: C

MUSC 352NH - Piano-Honors**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music**Prerequisites:**

MUSC 351N Minimum Grade: C

MUSC 352P - Organ**Credits:** 1.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 351P

MUSC 352Q - Harpsichord**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 351Q Minimum Grade: C or MUS 351Y Minimum Grade: C

MUSC 352R - Trumpet**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 351R

MUSC 352V - Violin**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 352W - Voice**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 351W Minimum Grade: C or MUS 351W Minimum Grade: C

MUSC 352X - Guitar**Credits:** 1.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 351X Minimum Grade: C

MUSC 352Y - String Bass**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 351Y Minimum Grade: C

MUSC 371A - Flute**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 272A

MUSC 371B - Oboe**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 371C - Clarinet**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 371D - Clarinet Bass**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 371E - Bassoon**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 371F - Saxophone Alto**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 371G - Saxophone Tenor**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 371H - Trumpet**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 371I - French Horn**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 371J - Trombone**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 371K - Euphonium**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 371L - Tuba**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 371M - Percussion**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 371N - Piano**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 371P - Organ**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 371Q - Harpsichord**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 371W - Voice**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 371X - Guitar**Credits:** 1.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** Music

Junior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 352X Minimum Grade: C

MUSC 372A - Flute**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 371A or MUS 371A

MUSC 372B - Oboe

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Junior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 371B or MUS 371B

MUSC 372C - Clarinet

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Junior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 371C or MUS 371C

MUSC 372D - Clarinet Bass

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Junior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 371D or MUS 371D

MUSC 372E - Bassoon

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Junior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 371E or MUSC 371E

MUSC 372F - Saxophone Alto

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Junior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 371F or MUS 371F

MUSC 372G - Saxophone Tenor

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Junior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 371G or MUS 371G

MUSC 372H - Trumpet

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Junior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 371H

MUSC 372I - French Horn**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 371I or MUS 371I

MUSC 372J - Trombone**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 371J Minimum Grade: C

MUSC 372K - Euphonium**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 371K or MUS 371K

MUSC 372L - Tuba**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 371L or MUS 371L

MUSC 372M - Percussion**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 371M or MUS 371M

MUSC 372N - Piano**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 371N or MUS 371N

MUSC 372P - Organ**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Junior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 371P Minimum Grade: C

MUSC 372Q - Harpsichord

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Junior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 371Q or MUS 371Q

MUSC 372W - Voice

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Junior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 371W

MUSC 372X - Guitar

Credits: 1.00

Lecture: 1.00

College: College of Arts and Sciences

Department: Music

Junior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 371X Minimum Grade: C

MUSC 4114 - Video Game Music

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Music

Video Game Music is an in-depth study of the history, origins, and evolution of video game music. The course will explore the history, sociology, philosophy, psychology, and techniques of video game music. Students will review the elements of musical style with particular emphasis on the relationship to the dramatic and psychological aspects of games, and explore critical analysis of the use of music in various console and PC/Mac games. (3-0-3)

MUSC 4124 - Video Game Music II

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Visual Arts

Video Game Music II is an advanced course that draws on the scholarly fields of musicology, music theory, film theory, and game studies to investigate the history, function, style and techniques of video game music. Students will review the elements of music style with particular emphasis on the relationship to the dramatic and sociological aspects of games.

MUSC 4134 - History of Video Game Music

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Visual Arts

History of Video Game Music examines the historical significance of video games and video game music from the mid-20th century to the present. The course will focus on the cultural, technical, and business history of computer games.

MUSC 4150 - Diction for Singers

Credits: 2.00

Lecture: 2.00

College: College of Arts and Sciences

Department: Music

The study of principles and application of English, Italian, French, and German diction in singing through the use of the International Phonetic Alphabet, spoken language drill, and student and performance of representative song literature. (2-0-2). Pre-requisite: MUSC 1201 Minimum grade: C.

MUSC 4242 - History of Jazz

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Music

History of Jazz surveys early jazz styles through the present; comparing eras, aspects and influences of types of jazz, and performers and composers. Styles include Ragtime, Dixieland, Big Band, Swing, Bebop, Fusion, Acid, Latin, Afro-Cuban, Avante-garde, and Jazz Rock. No Prerequisites. (3-0-3)

MUSC 451A - Flute

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Senior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 451B - Oboe

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Senior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 451C - Clarinet

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Senior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 451D - Clarinet Bass

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Senior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 451E - Bassoon

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Senior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 451F - Saxophone Alto

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Senior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 451G - Saxophone Tenor

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Senior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 451H - Trumpet**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 451I - French Horn**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 451J - Trombone**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 451K - Euphonium**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 451L - Tuba**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 451M - Percussion**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 451N - Piano**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 451P - Organ**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 352P

MUSC 451Q - Harpsichord**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 451W - Voice

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Senior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 451X - Guitar

Credits: 1.00

Lecture: 1.00

College: College of Arts and Sciences

Department: Music

Senior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 352X Minimum Grade: C

MUSC 451Y - String Bass

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Senior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 452A - Flute

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Senior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 451A

MUSC 452B - Oboe

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Senior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 451B or MUS 451B

MUSC 452C - Clarinet

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Senior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 451C or MUS 451C

MUSC 452D - Clarinet Bass

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Senior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 451D or MUS 451D

MUSC 452E - Bassoon**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 451E

MUSC 452F - Saxophone Alto**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 451F or MUS 451F

MUSC 452G - Saxophone Tenor**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 451G or MUS 451G

MUSC 452H - Trumpet**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 451H

MUSC 452I - French Horn**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 451I Minimum Grade: C

MUSC 452J - Trombone**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 451J or MUS 451J

MUSC 452K - Euphonium**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 451K

MUSC 452L - Tuba**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 451L or MUS 451L

MUSC 452M - Percussion**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 451M or MUS 451M

MUSC 452N - Piano**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 451N or MUS 451N

MUSC 452P - Organ**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 451P or MUS 451P

MUSC 452Q - Harpsichord**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 451Q or MUS 451Q

MUSC 452W - Voice**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 451W or MUS 451W

MUSC 452X - Guitar**Credits:** 1.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** Music

Senior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 451X Minimum Grade: C

MUSC 452Y - String Bass**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music majors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 451Y Minimum Grade: C

MUSC 453L - Tuba**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music**MUSC 4601 - Composing Video Game Music I****Credits:** 2.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Visual Arts

Composing Video Game Music I is designed to provide students with an elementary foundation in the creative process of sound design and composing music for video games. Students are expected to have a basic knowledge and access to a digital audio workstation (DAW), and music notation software (Sibelius, Finale, MuseScore). Permission of instructor.

MUSC 4602 - Composing Video Game Music II**Credits:** 2.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Visual Arts

Composing Video Game Music II is designed to provide students with an intermediate level of study in the creative process of sound design and composing music for video games. Students are expected to have a basic knowledge and a digital audio workstation (DAW), and music notation software (Sibelius, Finale, MuseScore). Permission of Instructor.

MUSC 4603 - Composing Video Game Music III**Credits:** 2.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Visual Arts

Composing Video Game Music III is designed to provide students with advanced study in the creative process of sound design and composing music for video games. Students are expected to have a basic knowledge and access to a digital audio workstation (DAW), and music notation software (Sibelius, Finale, MuseScore). Permission of instructor.

MUSC 4700 - Internship in Music**Credits:** 6.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** Visual Arts

Internship in Music is a structured collaborative program between academic institutions and music industry professionals. Internships may take place in the fields of audio-video recording, orchestration, composition, program/venue operations, sound design, and/or audio production. Permission of Instructor. (1-5-6)

MUSC 471A - Flute**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 471B - Oboe**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 471C - Clarinet**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 471D - Clarinet Bass**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 471E - Bassoon**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 471F - Saxophone Alto**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 471G - Saxophone Tenor**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 372G

MUSC 471H - Trumpet**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 372H

MUSC 471I - French Horn**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 471J - Trombone**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 372J

MUSC 471K - Euphonium**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 471L - Tuba**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 471M - Percussion**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 471N - Piano**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 471P - Organ**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 471Q - Harpsichord**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 471W - Voice**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Music

Senior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

MUSC 471X - Guitar**Credits:** 1.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** Music

Senior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 452X Minimum Grade: C

MUSC 472A - Flute

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Senior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 471A or MUS 471A

MUSC 472B - Oboe

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Senior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 471B or MUS 471B

MUSC 472C - Clarinet

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Senior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 471C or MUS 471C

MUSC 472D - Clarinet Bass

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Senior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 471D

MUSC 472E - Bassoon

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Senior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 471E or MUS 471E

MUSC 472F - Saxophone Alto

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Senior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 471F or MUS 471F

MUSC 472G - Saxophone Tenor

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Senior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 471G or MUS 471G

MUSC 472H - Trumpet

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Senior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 471H or MUS 471H

MUSC 472I - French Horn

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Senior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 471I or MUS 471I

MUSC 472J - Trombone

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Senior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 471J or MUS 471J

MUSC 472K - Euphonium

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Senior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 471K or MUS 451K

MUSC 472L - Tuba

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Senior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 471L or MUS 471L

MUSC 472M - Percussion

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Senior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 471M or MUS 471M

MUSC 472N - Piano

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Senior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 471N or MUS 371N

MUSC 472P - Organ

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Senior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 471P or MUS 471P

MUSC 472Q - Harpsichord

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Senior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 471Q or MUS 471Q

MUSC 472W - Voice

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Music

Senior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 471W Minimum Grade: C

MUSC 472X - Guitar

Credits: 1.00

Lecture: 1.00

College: College of Arts and Sciences

Department: Music

Senior music minors only. Lab fee required. Must register for Band or Choir. (0-1-1)

Prerequisites:

MUSC 471X Minimum Grade: C

MUSC 4800 - Senior Capstone Project

Credits: 1.00

Lecture: 1.00

College: College of Arts and Sciences

Department: Music

Taken concurrently with MUSC 452 or MUSC 472 Applied Music. Student will work with Applied Music Instructor and Accompanist in preparation for a 40-50 minute recital program. (1-0-1)

Prerequisites:

MUSC 3000

MUSC 4900 - Special Topics in Music

Credits: 1.00 TO 3.00

Lecture: 1.00 TO 3.00

College: College of Arts and Sciences

Department: Music

A variable credit course on selected issues, topics, and literature in music. (1-3 lecture, 0 lab, 1-3 credits)

Pre-requisite: Permission of instructor.

MUSC 4900S - Special Topics-Study Abroad

Credits: 1.00 TO 3.00

Lecture: 1.00 TO 3.00

College: College of Arts and Sciences

Department: Visual Arts

A variable credit course on selected issues, topics, and literature in music. Taken as part of a study abroad program. (1-3 lecture, 0 lab, 1-3 credits). Pre-requisite: Permission of the instructor

Nursing

NURS 3120 - Nursing Informatics RN

Credits: 3.00

Lecture: 3.00

College: College of Nursing & Health Sc

Department: Nursing

This course addresses nursing informatics: state of the science and issues for research, development and practice. It clarifies concepts of nursing, technology, and information management; and comprises theory, practice and the social and ethical issues in nursing and health care informatics. (3-0-3) Prerequisites: Acceptance into the RN-BSN program, Co-requisites: none

NURS 2002 - The Caregiving Journey

Credits: 3.00

Lecture: 3.00

College: College of Nursing & Health Sc

Department: Nursing

The journey of the caregiver is explored in a multicultural approach. In this course, students will apply a theoretical model(s) to understand the caregiving process, explore the costs and health effects of caregiving on care recipients as well as caregivers. Life after caregiving is discussed as part of the caregiver journey. The purpose of this course is to provide the student with an understanding of the triumphs and difficulties faced by caregivers today. (3-0-3) Prerequisites: None. Corequisites: None.

NURS 2003 - Best Practices in Support Care

Credits: 3.00

Lecture: 3.00

College: College of Nursing & Health Sc

Department: Nursing

Caregiver support programs are discussed with an emphasis on the research underpinnings. This thorough review of evidence-based programs explores program effectiveness as well as strategies necessary for implementing, managing and sustaining effective family caregiver support programs. In this course, students will investigate critical skills for caregivers including self-care, stress management, medication management, problem-solving, and communication strategies. (3-0-3) Prerequisites: None Corequisites: None

NURS 2004 - Medical Terminology

Credits: 2.00

Lecture: 2.00

College: College of Nursing & Health Sc

Department: Nursing

This course provides the student with an introduction to medical terminology, the origin of medical language, including root words, prefixes, suffixes and combining forms. The relationship of word parts to their anatomical counterparts, accurate pronunciation, use of medical terms in medical reports and the use and spelling of disorders and abnormal conditions will also be studied. (2-0-2)

NURS 2400 - Women's Health Care Issues

Credits: 3.00

Lecture: 3.00

College: College of Nursing & Health Sc

Department: Nursing

An exploration of contemporary health issues of particular concern to women. Violence, sexuality, health-compromising behaviors, and reproductive issues are included as well as the impact of the feminist movement, women's health worldwide, and famous women who have contributed to health care reform. An elective course (3-0-3)

NURS 3001 - Special Populat Requiring Care

Credits: 3.00

Lecture: 3.00

College: College of Nursing & Health Sc

Department: Nursing

This course focuses on special concerns and issues facing care recipients and caregivers for selected illnesses/disabilities. Addressed in this course are unique health care and social concerns encountered over the course of illnesses/disabilities which may include, but are not limited to, the following: Alzheimer's disease, Dementia, Cancer, Stroke, Heart Disease, Diabetes, Chronic Mental Illness, Developmental Disabilities, Children with Disabilities and Chronic Illnesses. In this course, students will investigate illness trajectories as a way to understand caregiver demands. (3-0-3) Prerequisites: None. Corequisites: None.

NURS 3003 - Fundamentals of Nursing

Credits: 5.00

Lecture: 3.00

College: College of Nursing & Health Sc

Department: Nursing

NURS 3003 is a foundations nursing course in which basic physiological functioning of major biological systems, adaptive responses, and deviations in normal functions are studied. Application of the nursing process to maintain health and in response to selected disruptions, with emphasis on scientifically based interventions and skills necessary for providing care to diverse client populations is the focus. Professional standards of care, ethical and legal responsibilities of the nurse when carrying out interventions and/or skills are reviewed. Use of the nursing process and skills are learned in this course are reinforced and expanded throughout the curriculum. (3-6-5) Pre-requisite: Acceptance into the Nursing program. Co-requisite: None

NURS 3003L - Fundamentals of Nursing Lab

Credits: 0.00

Lecture:

College: College of Nursing & Health Sc

Department: Nursing

(0-6-0)

Corequisites:

NURS 3003

NURS 3004 - Cross Cultur/National Issue CG

Credits: 3.00

Lecture: 3.00

College: College of Nursing & Health Sc

Department: Nursing

This course targets cultural practices centered on family caregiving from areas around the world. Healing traditions and caregiving practices from various cultures are targeted and explored as the guiding influence on the health of an individual. Similarities and differences in cultural practices related to health and caregiving are examined. This course presents information on the impact of the manifestations of an individual's cultural heritage on the caregiving situation. (3-0-3) Prerequisites: None. Corequisites: None.

NURS 3005 - Human Pathophysiology

Credits: 3.00

Lecture: 3.00

College: College of Nursing & Health Sc

Department: Nursing

A study of the physiological changes and states associated with disease. (3-0-3) Prerequisite: Must be accepted to School of Nursing. Co-requisite: None.

NURS 3006 - Adv Practice Issues in CG

Credits: 3.00

Lecture: 3.00

College: College of Nursing & Health Sc

Department: Nursing

Selected advanced practice topics in caregiving are explored. These topics may include, but are not limited to, exploration of 1) end of life issues; 2) caregiving burnout and coping strategies; 3) abuse and neglect in caregiving; 4) ethical and legal issues in caregiving; 5) managing caregiving transitions - hospital to home and home to hospital; and 6) institutional care. This course will examine one or more of these topics in- depth to facilitate student understanding of these complex caregiving issues. (3-0-3) Prerequisites: None. Corequisites: None.

NURS 3006H - Adv Practice Issues in CG Hnrs**Credits:** 3.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Nursing

Selected advanced practice topics in caregiving are explored. These topics may include, but are not limited to, exploration of 1) end of life issues; 2) caregiving burnout and coping strategies; 3) abuse and neglect in caregiving; 4) ethical and legal issues in caregiving; 5) managing caregiving transitions - hospital to home and home to hospital; and 6) institutional care. This course will examine one or more of these topics in-depth to facilitate student understanding of these complex caregiving issues. Honors section (3-0-3)

NURS 3010 - Prof Nurs Practice for RNs**Credits:** 3.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Nursing

This is an online course directed to the RN student returning to school for a baccalaureate degree in nursing. This is an introductory course to the BSN curriculum that examines concepts and perspectives in contemporary nursing. The content builds on the RN's prior experience and nursing education. Examples of content include ethical principles, health care economics, legislative process, nursing theories, health and wellness, critical thinking, current trends and issues in nursing. (3-0-3) Prerequisites: Must be a licensed professional nurse. Corequisites: None.

NURS 3100 - Nursing of Adults I**Credits:** 6.00**Lecture:** 4.00**College:** College of Nursing & Health Sc**Department:** Nursing

Illnesses common in the adult population are explored, especially as presented in the acute care setting. Emphasis is on identification, treatment, and/or resolution of acute and long term health problems. Health promotion and disease prevention as they apply to specific disease entities are also discussed. The influence of genetics, alternative or cultural health practices, and application of nursing care in the community are reviewed as they relate to specific illnesses as well as collaborative care with other health care professionals. (4-6-6) Prerequisites: NURS 3003, 3005, 3200 Co-requisites: 3630 This course requires a lab component.

Prerequisites:

(NURS 3003 Minimum Grade: C and NURS 3005 Minimum Grade: C and NURS 3200 Minimum Grade: C and NURS 3130 Minimum Grade: C)

NURS 3100H - Nursing of Adults I-Honors**Credits:** 6.00**Lecture:** 4.00**College:** College of Nursing & Health Sc**Department:** Nursing**NURS 3100L - Nursing of Adults I Lab****Credits:** 0.00**Lecture:****College:** College of Nursing & Health Sc**Department:** Nursing

(0-6-0) Co-requisites: 3100

Corequisites:

NURS 3100

Prerequisites:

NURS 3002 Minimum Grade: C and NURS 3007 Minimum Grade: C and NURS 3200 Minimum Grade: C

NURS 3120 - Nursing Informatics**Credits:** 2.00**Lecture:** 2.00**College:** College of Nursing & Health Sc**Department:** Nursing

This course addresses nursing informatics: state of the science and issues for research, development, and practice. It clarifies concepts of nursing, technology, and information management; and comprises theory, practice and the social and ethical issues in nursing and health care informatics. (3-0-3) Pre-requisites: NURS 3100; Co-requisites: none.

NURS 3130 - Mental Health Nursing

Credits: 4.00

Lecture: 3.00

College: College of Nursing & Health Sc

Department: Nursing

This course introduces the beginning practitioner with the essential concepts of mental health and mental illness and emphasized the role of the nurse in the promotion of mental health. The nursing process, effective communication skills, psychosocial skills and the normal patterns of behaviors are addressed. The course is designed to provide a theoretical and clinical framework for the application of the nursing process with those individuals who are unable to adapt to their changing environment. (3-3-4) Co-requisites: none Pre-requisites: NURS 3003, 3005, 3200. The course does require a lab component.

Prerequisites:

(NURS 3003 Minimum Grade: C and NURS 3005 Minimum Grade: C and NURS 3200 Minimum Grade: C)

NURS 3130H - Mental Health Nursing-Hnrs

Credits: 4.00

Lecture: 3.00

College: College of Nursing & Health Sc

Department: Nursing

This course introduces the beginning practitioner with the essential concepts of mental health and mental illness and emphasized the role of the nurse in the promotion of mental health. The nursing process, effective communication skills, psychosocial skills and the normal patterns of behaviors are addressed. The course is designed to provide a theoretical and clinical framework for the application of the nursing process with those individuals who are unable to adapt to their changing environment. (3-3-4) Co-requisites: none Pre-requisites: NURS 3003, 3005, 3200. The course does require a lab component. Honors Section

Prerequisites:

(NURS 3003 Minimum Grade: C and NURS 3005 Minimum Grade: C and NURS 3200 Minimum Grade: C)

NURS 3130L - Mental Health Nursing Lab

Credits: 0.00

Lecture:

College: College of Nursing & Health Sc

Department: Nursing

(0-3-0) Co-requisites: NURS 3130

Corequisites:

NURS 3130

Prerequisites:

(NURS 3003 Minimum Grade: C and NURS 3005 Minimum Grade: C and NURS 3200 Minimum Grade: C)

NURS 3140 - Nursing of Childbearing Family

Credits: 4.00

Lecture: 3.00

College: College of Nursing & Health Sc

Department: Nursing

Focuses on a family-centered approach to meeting health needs during the childbearing years. This course provides three hours of theory and three hours of clinical experience per week. (3-3-4) Pre-requisites: NURS 3100, 3630. Co-requisites: None. This course requires a lab component.

Prerequisites:

(NURS 3100 Minimum Grade: C and NURS 3145 Minimum Grade: C and NURS 3120 Minimum Grade: C and NURS 3630 Minimum Grade: C)

NURS 3140H - Nurs of Childbearing Fam Hnrs

Credits: 4.00

Lecture: 3.00

College: College of Nursing & Health Sc

Department: Nursing

Focuses on a family-centered approach to meeting health needs during the childbearing years. This course provides three hours of theory and three hours of clinical experience per week. Honors section (3-4-3)

Pre-requisites: NURS 3100, 3630. This course requires a lab component.

Prerequisites:

(NURS 3100 Minimum Grade: C and NURS 3630 Minimum Grade: C)

NURS 3140L - Nurs of Childbearing Fam Lab

Credits: 0.00

Lecture: 0.00

College: College of Nursing & Health Sc

Department: Nursing

(0-3-0) Co-requisite: NURS 3140

Corequisites:

NURS 3140

NURS 3145 - Pediatric Nursing Care

Credits: 4.00

Lecture: 3.00

College: College of Nursing & Health Sc

Department: Nursing

Pediatric Nursing focuses on a family-centered approach to meeting health needs for the pediatric client. This course provides three hours of theory and three hours of clinical experience per week. (3-3-4) Pre-requisites: NURS 3100 and NURS 3630. Co-requisites: None. This course requires a lab component.

Prerequisites:

(NURS 3003 Minimum Grade: C and NURS 3005 Minimum Grade: C and NURS 3200 Minimum Grade: C and NURS 3130 Minimum Grade: C)

NURS 3145H - Pediatric Nursing Care Honors

Credits: 4.00

Lecture: 3.00

College: College of Nursing & Health Sc

Department: Nursing

Pediatric Nursing focuses on a family-centered approach to meeting health needs for the pediatric client. This course provides three hours of theory and three hours of clinical experience per week. Honors section. (3-3-4) Pre-requisites: NURS 3100 and NURS 3630. The course requires a lab component.

Prerequisites:

(NURS 3100 Minimum Grade: C and NURS 3630 Minimum Grade: C)

NURS 3145L - Pediatric Nursing Care Lab

Credits: 0.00

Lecture:

College: College of Nursing & Health Sc

Department: Nursing

0-3-0 Co-requisites: NURS 3145

Corequisites:

NURS 3145

Prerequisites:

(NURS 3100 Minimum Grade: C and NURS 3160 Minimum Grade: C)

NURS 3200 - Health Assessment

Credits: 3.00

Lecture: 2.00

College: College of Nursing & Health Sc

Department: Nursing

Assessment skills for clients across the life span are presented for the purpose of determining health status. Theory and skills necessary to obtain a comprehensive health history and complete physical examination are emphasized. Assessment skills in conducting an interview for the purpose of nutritional, cultural, and family pedigree information are incorporated. Special assessment techniques unique to children, older adults, and clients with functional disabilities are included. Physical findings indicating genetic disorders are also introduced. (3-3-4) Pre-requisites: Must be accepted to the School of Nursing. This course requires a lab component.

Co-requisites: none

NURS 3200H - Health Assessment Hnr**Credits:** 4.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Nursing**NURS 3200L - Health Assessment Lab****Credits:** 0.00**Lecture:****College:** College of Nursing & Health Sc**Department:** Nursing

(0-3-0) Co-requisites: 3200

Corequisites:

NURS 3200

NURS 3600H - Transcultural Health Care Hnrs**Credits:** 3.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Nursing**NURS 3600S - Transcultural HealthCare-St Ab****Credits:** 3.00**Lecture:** 1.00**College:** College of Nursing & Health Sc**Department:** Nursing

An introduction to transcultural health care. The study of health care in a variety of cultural settings is accomplished through comparative analysis from a nursing perspective. Historical, political, and religious factors which impact health care beliefs of the caregiver and the client are studied within the framework of cultural health care theory. An elective course. (1-2-3) Prerequisites NURS 3003 Minimum grade of C required; Co-requisites: none

Prerequisites:

(NURS 3003 Minimum Grade: C)

NURS 3630 - Pharmacology**Credits:** 3.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Nursing

This course addresses the principles of nursing management in drug therapy, the basics of core drug knowledge, and patient-related variables. Nursing management of the patient's response to medication is discussed according to various body systems, pathological conditions, and major drug classifications. (3-0-3) Co-requisites: NURS 3100 Pre-requisites: NURS 3003, 3005, 3200

Corequisites:

NURS 3100

NURS 3850 - Gerontological Nursing for RNs**Credits:** 3.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Nursing

An exploration of the physiological and psychological changes that are common to the aging adult. Content includes theories of aging, issues related to healthy aging, illness, pharmacology, nutrition, sexuality, ethical/legal situations and sociocultural influences. (3-0-3) Prerequisites: none. Corequisites: None.

NURS 4010 - Leadership in Nursing

Credits: 3.00

Lecture: 3.00

College: College of Nursing & Health Sc

Department: Nursing

Selected principles of leadership and management as they relate to health care delivery and to specific nursing service roles in which nurses function. Includes content on leadership roles, management theories, components of effective management, organizational dynamics, political and economic context of health care, and career development strategies. (3-0-3) Prerequisite: Completion of all 3XXX nursing courses. Corequisites: None.

Corequisites:

NURS 4905

Prerequisites:

(NURS 3003 Minimum Grade: C and NURS 3005 Minimum Grade: C and NURS 3100 Minimum Grade: C and NURS 3120 Minimum Grade: C and NURS 3200 Minimum Grade: C and NURS 3630 Minimum Grade: C and NURS 3130 Minimum Grade: C and NURS 3140 Minimum Grade: C and NURS 3145 Minimum Grade: C)

NURS 4100 - Nursing of Adults II

Credits: 6.00

Lecture: 4.00

College: College of Nursing & Health Sc

Department: Nursing

A study of complex diseases in the adult population. Emphasis is on promotion and maintenance of health and prevention of disability in clients with acute, critical, and long-term health problems. (4-6-6) Prerequisites: Completion of 3xxx nursing courses. All core requirements including U.S. and Georgia History and Constitution. Co-requisites: None. This course requires a lab component.

Prerequisites:

(NURS 3100 Minimum Grade: C and NURS 3630 Minimum Grade: C and NURS 3145 Minimum Grade: C and NURS 3120 Minimum Grade: C and HIST 2111 Minimum Grade: C or HIST 2112 Minimum Grade: C and POLS 1101 Minimum Grade: C)

NURS 4100H - Nursing of Adults II-Honors

Credits: 6.00

Lecture: 4.00

College: College of Nursing & Health Sc

Department: Nursing

A study of complex diseases in the adult population. Emphasis is on promotion and maintenance of health and prevention of disability in clients with acute, critical, and long-term health problems. (4-6-6) Prerequisites: Completion of 3xxx nursing courses. All core requirements including U.S. and Georgia History and Constitution. Co-requisites: None. This course requires a lab component. Honors Section

Prerequisites:

NURS 3100 Minimum Grade: C and NURS 3120 Minimum Grade: C and NURS 3130 Minimum Grade: C and NURS 3140 Minimum Grade: C and NURS 3145 Minimum Grade: C and NURS 3200 Minimum Grade: C

NURS 4100L - Nursing of Adults II Lab

Credits: 0.00

Lecture:

College: College of Nursing & Health Sc

Department: Nursing

(0-6-0) Co-requisite: NURS 4100

Corequisites:

NURS 4100

NURS 4150 - Gerontological Nursing**Credits:** 3.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Nursing

This course is intended to focus on successful aging of the adult age 65 years and older. Utilizing Margaret Flood's Theory of Successful Aging (2005) which fosters the understanding that successful aging may be different for each older adult, and must be adapted to fit the individual's perception of aging successfully. Utilizing this conceptual framework, the student will assist in identifying and implementing interventions to help the older adult in maximizing their independence, and, thereby, enhancing their quality of life and aging processes to achieving successful aging. The student will be asked to reflect on their personal beliefs and attitudes toward aging and interaction with this population. This course will also focus on Alzheimers, End-of-Life, Care and Comfort for the dying client. End-of-Life care is a term used to describe the support and medical care given during the time surrounding death. The National Institute on Aging's website will be utilized to guide the student into the unfamiliar territory of death. Comfort care, supportive care, and palliative care will be used to describe individualized care that can assist the student in providing a dying client the best quality of life until the end. (3-0-3) Prerequisite: All 3XXX courses. Co-requisites: none.

Prerequisites:

(NURS 3100 Minimum Grade: C and NURS 3630 Minimum Grade: C and NURS 3145 Minimum Grade: C and NURS 3120 Minimum Grade: C)

NURS 4150H - Gerontological Nursing-Honors**Credits:** 3.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Nursing

This course is intended to focus on successful aging of the adult age 65 years and older. Utilizing Margaret Flood's Theory of Successful Aging (2005) which fosters the understanding that successful aging may be different for each older adult, and must be adapted to fit the individual's perception of aging successfully. Utilizing this conceptual framework, the student will assist identifying and implementing interventions to help the older adult in maximizing their independence, and, thereby, enhancing their quality of life and aging processes to achieving successful aging. The student will be asked to reflect on their personal beliefs and attitudes toward aging and interaction with this population. This course will also focus on End-of-Life, Care and Comfort for the dying client. End-of-Life care is a term used to describe the support and medical care given during the time surrounding death. (3-0-3) Pre-requisites: All 3XXX Courses. Honors Section

Prerequisites:

NURS 3100 Minimum Grade: C and NURS 3120 Minimum Grade: C and NURS 3130 Minimum Grade: C and NURS 3140 Minimum Grade: C and NURS 3145 Minimum Grade: C and NURS 3200 Minimum Grade: C

NURS 4410 - Community Health Nursing**Credits:** 4.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Nursing

Community-oriented nursing practice, the overarching concept for both public health nursing practice and community health nursing, is the emphasis for this course. Students investigate major health and environmental problems, participate in health surveillance, provide community education, and evaluate community and population health status for the purposes of preventing disease and disability and to promote, protect, and maintain health. The focus of practice is the community and groups within the community. Learning opportunities provide for students to analyze the dynamic interrelationships between the health of the individual, family and the community, and to provide effective interventions. (3-3-4) Prerequisites: NURS 3100, NURS 3120, NURS 3145, NURS 3630 with a minimum grade of C. Co-requisites none. This course requires a lab component.

Prerequisites:

(NURS 3100 Minimum Grade: C and NURS 3630 Minimum Grade: C and NURS 3145 Minimum Grade: C and NURS 3120 Minimum Grade: C)

NURS 4410H - Community Health Nurs - Hnrs**Credits:** 4.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Nursing

Community-oriented nursing practice, the overarching concept for both public health nursing practice and community health nursing, is the emphasis for this course. Students investigate major health and environmental problems, participate in health surveillance, provide community education, and evaluate community and population health status for the purposes of preventing disease and disability and to promote, protect, and maintain health. The focus of practice is the community and groups within the community. Learning opportunities provide for students to analyze the dynamic interrelationships between the health of the individual, family and the community, and to provide effective interventions. (3-3-4) Pre-requisites: NURS 3100, NURS 3630, NURS 3120 NURS 3145 with a minimum grade of C. Co-requisites: None. This course requires a lab component. Honors Section.

Prerequisites:

(NURS 3100 Minimum Grade: C and NURS 3120 Minimum Grade: C and NURS 3130 Minimum Grade: C and NURS 3140 Minimum Grade: C and NURS 3145 Minimum Grade: C and NURS 3200 Minimum Grade: C and NURS 4100 Minimum Grade: C)

NURS 4410L - Community Health Nursing Lab**Credits:** 0.00**Lecture:****College:** College of Nursing & Health Sc**Department:** Nursing

(0-6-0) Prerequisites: NURS 3100, NURS 3630, NURS 3145, NURS 3120 with a minimum grade of C.

Co-requisites: none

Corequisites:

NURS 4410

Prerequisites:

(NURS 4100 Minimum Grade: C and NURS 4200 Minimum Grade: C and NURS 4630 Minimum Grade: C)

NURS 4810 - Evidence Based Practice Nurs.**Credits:** 3.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Nursing

This course is an overview of the complete research process in nursing. Critical analysis of published research and evaluation for applicability to nursing practice is emphasized. (3-0-3) Prerequisites: All NURS 3000 courses.

Co-requisites: none

Prerequisites:

(NURS 3003 Minimum Grade: C and NURS 3005 Minimum Grade: C and NURS 3200 Minimum Grade: C)

NURS 4850 - Transition to Practice**Credits:** 2.00**Lecture:** 2.00**College:** College of Nursing & Health Sc**Department:** Nursing

The course is designed to assist students in the preparation for the licensure examination and entry into the practice of professional nursing. The NCLEX-RN test plan, assessment of individual and group knowledge deficit will be addressed based on results of previous HESI specialty exams. The application of NCLEX principles and individual study-remediation plans and a live NCLEX Review course will be utilized to prepare for success on NCLEX. (2-0-2) Prerequisites: NURS 4100, NURS 4810. Corequisites: NURS 4010, NURS 4410, NURS 4905.

Corequisites:

NURS 4010, NURS 4905

Prerequisites:

(NURS 3140 Minimum Grade: C and NURS 4100 Minimum Grade: C and NURS 4410 Minimum Grade: C and NURS 4810 Minimum Grade: C)

NURS 4900 - Practicum in Nursing for RNs**Credits:** 4.00**Lecture:** 1.00**College:** College of Nursing & Health Sc**Department:** Nursing

Students in this clinical course develop and implement a self-directed contract encompassing their nursing education to-date. Completion of this course, under the guidance of a faculty advisor and a clinical preceptor, facilitates the student's transition to the professional nursing role. (1-9-4) Prerequisites: NURS 4010 and 4800. Corequisites: none. This course requires a lab component.

Prerequisites:

(NURS 4800 and NURS 4010)

NURS 4900L - Practicum Lab for RNs

Credits: 0.00

Lecture:

College: College of Nursing & Health Sc

Department: Nursing

(0-9-0) Co-requisite: NURS 4900

Corequisites:

NURS 4900

NURS 4905 - Practicum in Nursing

Credits: 5.00

Lecture: 1.00

College: College of Nursing & Health Sc

Department: Nursing

A capstone learning experience that focuses on the transition to professional nursing practice. Students will have the opportunity to integrate professional nursing roles and knowledge into nursing practice through guided preceptorial or cohort based experiences; high-acuity simulation experiences; seminars and projects focusing on role development and professional practice issues; review for the NCLEX-RN licensing exam; and standardized exit exam. Pre-requisite(s): NURS 4100, and NURS 4810. Co-requisite(s): NURS 4010 and NURS 4410, and NURS 4850. (1-12-5)

Corequisites:

NURS 4010, NURS 4150, NURS 4850

Prerequisites:

(NURS 3140 Minimum Grade: C and NURS 4100 Minimum Grade: C and NURS 4410 Minimum Grade: C and NURS 4810 Minimum Grade: C)

NURS 4905L - Practicum in Nursing Lab

Credits: 0.00

Lecture:

College: College of Nursing & Health Sc

Department: Nursing

(0-12-0) Corequisite NURS 4905.

Corequisites:

NURS 4905

Prerequisites:

(NURS 4100 and NURS 4810)

Physical Education

PEDS 1010 - Lifetime Fitness

Credits: 1.00

Lecture:

College: College of Education

Department: Health & Human Performance

A course required of all students as a part of the general curriculum. The purpose of the course is to provide the student with scientific-based knowledge concerning practical application of physical fitness training and evaluation procedures while participating in a fitness program. (0-2-1)

PEDS 1020 - Aerobics - Walk-Jog

Credits: 1.00

Lecture:

College: College of Education

Department: Health & Human Performance

This course is designed to equip students with the necessary information and practical learning experiences to design, implement, and evaluate their own personal aerobics exercise program. (0-2-1)

PEDS 1030 - Step Aerobics

Credits: 1.00

Lecture:

College: College of Education

Department: Health & Human Performance

This course is designed to equip students with the necessary information and practical learning experiences to design, implement, and evaluate their own personal step aerobics exercise program. Emphasis will be placed on safety, body mechanics and proper usage of the step. (0-2-1)

PEDS 1040 - Concepts of Personal Protectio

Credits: 1.00

Lecture:

College: College of Education

Department: Health & Human Performance

An introductory course that enables students to recognize, avoid, or reduce the likelihood of a personal attack. This course teaches basic protection skills that include escape avoidance strategies, body language and communication skills, defensive techniques, as well as simulated attacks. Fitness principles will be addressed throughout the semester accordingly based on the student's ability to practice and perform self-defense skills.

PEDS 1100 - Beg Swimming

Credits: 1.00

Lecture:

College: College of Education

Department: Health & Human Performance

To equip students with basic safety and knowledge to make them reasonably safe while in or about water. (0-2-1)

PEDS 1180 - Canoeing

Credits: 1.00

Lecture:

College: College of Education

Department: Health & Human Performance

Personal development through canoeing as a lifetime recreational activity is realized. (0-2-1)

PEDS 1230 - Racquetball

Credits: 1.00

Lecture:

College: College of Education

Department: Health & Human Performance

The purpose of the course is to provide the beginning student with the skills and knowledge needed to play and understand the game of racquetball. (0-2-1)

PEDS 1250 - Beg Tennis

Credits: 1.00

Lecture:

College: College of Education

Department: Health & Human Performance

To equip the student with basic skills knowledge so that they may establish an interest and desire to play tennis. (0-2-1)

PEDS 1280 - Beg Golf

Credits: 1.00

Lecture:

College: College of Education

Department: Health & Human Performance

To equip the student with basic skills and knowledge so that they may participate in a social activity with long lasting carry-over values. (0-2-1)

PEDS 1330 - Weight Training**Credits:** 1.00**Lecture:****College:** College of Education**Department:** Health & Human Performance

Fundamental techniques in developing fitness and conditioning with the idea of developing firm, healthy-looking bodies naturally from the facilities and equipment available. (0-2-1)

PEDS 1400 - Special Topics**Credits:** 1.00**Lecture:****College:** College of Education**Department:** Health & Human Performance**PEDS 1700 - Fundamentals of Dance****Credits:** 1.00**Lecture:****College:** College of Education**Department:** Health & Human Performance

A study of the fundamental skills and knowledge needed to perform ballroom, square and folk dance steps and patterns. (0-2-1)

PEDS 1770 - Beg Ballet**Credits:** 1.00**Lecture:****College:** College of Education**Department:** Health & Human Performance

To equip the student with the basic skills and knowledge of beginning ballet. (0-2-1)

PEDS 1910 - Beg Yoga**Credits:** 1.00**Lecture:****College:** College of Education**Department:** Health & Human Performance

The purpose of the course is to provide the beginning students with the skills and knowledge needed to practice yoga on their own. (0-2-1)

PEDS 2000 - CPR and First Aid**Credits:** 2.00**Lecture:** 1.00**College:** College of Education**Department:** Health & Human Performance

This course is required of all students as part of the general curriculum. The course is designed to provide every student knowledge and practical skill practice in a current first aid, cardiopulmonary resuscitation techniques and HIV/AIDS education. (1-1-2)

Philosophy**PHIL 2010 - eCore Intro to Philosophy****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Arts and Sciences**Prerequisites:****Physics****PHYS 1100 - Introduction to Engineering****Credits:** 1.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** Geology and Physics

This course will introduce the dual degree student to the nature of engineering both as methodology and as a practical career choice. The history, current state and potential future of different fields of engineering will be surveyed with the help of specific examples. A detailed discussion of the different types of practical skills and theoretical background required for a successful career in engineering will be included. Engineering Dual-Degree major required. (1-0-1)

PHYS 1111 - Introduction to Physics I

Credits: 4.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Geology and Physics

Emphasizes classical mechanics, including Newton's laws, rotational motion, and oscillators; wave motion; and thermodynamics. Permission of instructor required. (3-3-4)

Prerequisites:

MATH 1113 Minimum Grade: D or MTH 113 Minimum Grade: D or MATH 1113H Minimum Grade: D

PHYS 1111H - Intro to Physics I Honors

Credits: 4.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Geology and Physics

PHYS 1111K - Introduction to Physics I

Credits: 4.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Geology and Physics

Introduction to classical mechanics, including Newton's Laws, rotational motion and oscillators, wave motion, and sound. Uses algebra and trigonometry. (3-3-4)

Prerequisites:

MATH 1113 Minimum Grade: D or MTH 113 Minimum Grade: D or MATH 1113H Minimum Grade: D

PHYS 1112 - Introduction to Physics II

Credits: 4.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Geology and Physics

Emphasizes classical electromagnetism, optics, and modern concepts, including relativity, quantum mechanics, and atomic and nuclear structure. (3-3-4)

Prerequisites:

PHYS 1111 or PHY 201

PHYS 1112H - Intro to Physics II-Honors

Credits: 4.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Geology and Physics

Emphasizes classical electromagnetism, optics, and modern concepts, including relativity, quantum mechanics, and atomic and nuclear structure. This section is for students participating in the GSW Honors Program. (3-2-4)

PHYS 1112K - Introduction to Physics II

Credits: 4.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Geology and Physics

An introduction to classical thermodynamics, electromagnetism and optics, including heat, circuit theory and geometric optics. Uses algebra and trigonometry. (3-3-4)

Prerequisites:

PHYS 1111 or PHY 201

PHYS 1211K - eCore Prin of Physics I & Lab**Credits:** 4.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Geology and Physics

ONLINE-An introductory course which will include material from mechanics, thermodynamics and waves. Elementary differential calculus will be used. This course has a laboratory component that requires a lab kit. Students must either purchase this kit or obtain it through other means as described in the course. Please check under the Textbooks Required section in the syllabus to verify specific requirements and costs. (V-V-4)

Prerequisites:

(MATH 1120 or MATH 1501 or MATH 112)

PHYS 1222 - Stellar Astronomy**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Geology and Physics

Introductory survey course for non-science majors. Does not require GEOL 1221/PHYS 1221. The main focus of this class is to put our solar system into a broader perspective provided by the rest of the universe. The sun as a star, physical properties of stars, principles of spectroscopy as applied to astronomy, binary stars, variable stars, star clusters, gaseous nebulae, stellar motions and distribution, Milky Way and external galaxies, expanding universe, cosmic time scale. (3-0-3)

PHYS 1222H - Stellar Astronomy - Honors**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Geology and Physics

Introductory survey course for non-science majors. Does not require GEOL 1221/PHYS 1221. The main focus of this class is to put our solar system into a broader perspective provided by the rest of the universe. The sun as a star, physical properties of stars, principles of spectroscopy as applied to astronomy, binary stars, variable stars, star clusters, gaseous nebulae, stellar motions and distribution, Milky Way and external galaxies, expanding universe, cosmic time scale. This section is for students participating in the GSW Honors Program. (3-0-3)

PHYS 2025 - Intro to Signal Processing**Credits:** 4.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Geology and Physics

Introduction to signal processing for discrete-time and continuous-time signals. Topics include problems in filtering, frequency response, and applications of the Fourier transform and the Z-transform. Laboratory emphasizes computer-based signal processing. (3-2-4)

Prerequisites:

MTH 112 or MATH 1120 or MATH 1120H

PHYS 2211 - Principles of Physics I**Credits:** 4.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Geology and Physics

Emphasizes classical mechanics, including Newton's laws, rotational motion, and oscillators; wave motion; and thermodynamics. (3-3-4)

Prerequisites:

MATH 1120 or MATH 1120H or MATH 112 or MATH 1501

PHYS 2211H - Principles of Physics I**Credits:** 4.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Geology and Physics

PHYS 2211K - Principles of Physics I**Credits:** 4.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Geology and Physics

An introduction to basic classical mechanics, including Newton's Laws, rotational motion, and oscillators; wave motion; and sound. Uses calculus. (3-3-4)

Prerequisites:

(MATH 1120 or MATH 1501 or MATH 1120H or MATH 112)

PHYS 2212 - Principles of Physics II**Credits:** 4.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Geology and Physics

Emphasizes classical electromagnetism, optics, and modern concepts, including relativity, quantum mechanics, and atomic and nuclear structure. (3-3-4)

Prerequisites:

PHYS 2211 or PHY 211

PHYS 2212K - Principles of Physics II**Credits:** 4.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Geology and Physics

An introduction to classical thermodynamic and electromagnetic theory, emphasizing the basic principles of thermodynamics, electricity and magnetism, and optics. Uses calculus. (3-3-4)

Prerequisites:

(PHYS 2211 or PHYS 2211K or PHY 211) and MATH 2221

PHYS 2213 - Modern Physics**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Geology and Physics

This course provides the student with a survey of modern concepts in physics including wave motion, electromagnetic waves, special relativity, quantum theory and atomic structure. The student will further develop his or her analytical skills by learning and applying a wide variety of problem solving techniques. (3-0-3)

Prerequisites:

PHYS 2212 or PHY 213

PHYS 3322 - Thermodynamics**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Geology and Physics

Thermodynamic properties, energy and mass conservation, entropy and the second law. Second law analysis of thermodynamic systems, gas cycles, vapor cycles. (3-0-3)

Prerequisites:

PHYS 2212

PHYS 4100 - Special Topics in Physics**Credits:** 1.00 TO 4.00**Lecture:** 1.00 TO 3.00**College:** College of Arts and Sciences**Department:** Geology and Physics

A 1-4 semester hour course designed to provide upper level students with a course on current and emerging topics in physics. Credit will vary depending upon the topic selected. Prerequisites: MATH 1120, PHYS 2212, AND permission of instructor. (lecture 1-3 hrs, lab 0-2 hrs, credit 1-4 hrs)

Prerequisites:

MATH 1120 or PHYS 2212

PHYS 4100H - Special Topics in Phys-Honors**Credits:** 1.00 TO 4.00**Lecture:** 1.00 TO 3.00**College:** College of Arts and Sciences**Department:** Geology and Physics**Prior Learning Assessment****PLA 2000 - Prior Learning Assess Document****Credits:** 2.00**Lecture:** 2.00**College:** No College Designated**Department:** Undeclared Department

An orientation to the university, educational options and programs at Georgia Southwestern for nontraditional students. College success and study skills are emphasized. Techniques for the development of documentation for prior learning experiences based on standards and criteria established by academic and subject matter professionals. Students prepare and submit documentation which provides a clear description of competencies obtained. Prerequisite: Permission of instructor (2-0-2)

Political Science**POLS 1101 - American Government****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

American political institutions and processes and their development over time are carefully examined in this course. A passing grade in this course satisfies the U.S. and Georgia Constitution requirements of Georgia State Code 20-3-68. (3-0-3)

POLS 1101H - American Government-Honors**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

American political institutions and their development. A passing grade in this course satisfies the U.S. and Georgia Constitution requirements of Georgia State Code 20-3-68. This section is for students participating in the GSW Honors Program. (3-0-3)

POLS 2101 - Intro to Discipline of Pol Sci**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

This course is a general introduction to the scope of political science, including types of governments, the variety of institutions and processes, political concepts, and ideologies, and to the methods used to study political phenomena. Required of all political science majors. (3-0-3)

POLS 2201 - State & Local Government**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Political Science

This course focuses on the organization, powers, functions, and political processes at the state and local levels, as well as the relationship between the state and national governments. A passing grade in this course satisfies the Georgia Constitution requirement of Georgia Code 20-3-68. (3-0-3)

POLS 2401 - Intro to Global Issues**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Political Science

POLS 2401 Introduction to Global Issues. An examination of contemporary world issues such as environmental degradation, disease, war, human rights, and changes in the global economy. (3-0-3)

POLS 3100 - Constitutional Law**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Sociology

Offers a comprehensive study of American constitutional law focusing on civil rights, civil liberties, and equal protection. Constitutional claims examined include the denial of freedoms under the Bill of Rights, the equal protection of laws under the 14th Amendment, and civil rights legislation enacted by Congress since the Civil War. The course will also focus on the application and interpretation of the constitutional protections by the American courts. Prerequisite: POLS 1101

POLS 3200 - Intro to the European Union**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

This course examines the development of the European Union. It is the basic course for students participating in the E.U. Certification Program. (3-0-3)

POLS 3205 - Intro to Comparative Politics**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

This course introduces the comparative method of studying political systems, with an emphasis on institutional arrangements and political behavior found in democratic and non-democratic political systems. Transitions to democracy and political development are also examined. Case studies include political systems in various regions of the world. (3-0-3)

POLS 3210 - Modern European Governments**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

This course entails a study of the constitutions, basic principles, governmental organizations, political party systems, and political methods of major countries in Europe. (3-0-3)

POLS 3310 - Civil Wars and Revolutions**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Political Science

This course examines the causes and consequences of civil wars and revolutions, as well as the practical and philosophical arguments made for and against political violence, rebellion, and revolt. The course will specifically focus on modern cases from the seventeenth century to the present (3-0-3).

POLS 4100 - Amer Pol Parties-Int Groups**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

This course involves a careful study of the two main types of political organizations in the United States that serve as linkages between the people and their government: political parties and interest groups. The focus is on the development of political parties and interest groups, their structure and operations, and their roles in the political system. (3-0-3)

POLS 4460 - The Legislative Process**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

The focus of this course is the structure, functions, and powers of the U.S. Congress and the behavior and goals of its members. It emphasizes the composition, leadership, and procedures of the House and the Senate. Attention is also given to the role of elections, party, and views of representation. (3-0-3)

POLS 4470 - American Presidency

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: History

Presidential powers, duties, and responsibilities are surveyed. Students will carefully examine historic and contemporary conceptions of the office and the presidency as an administrative institution. (3-0-3)

POLS 4470H - American Presidency-Honors

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: History

POLS 4570 - Constitutional Law I

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: History

This course focuses on the development of the separation of powers, checks and balances, federalism, and national and state regulatory authority as defined in the Constitution and as elaborated through Supreme Court decisions. Prior credit in American Government is recommended. (3-0-3)

POLS 4580 - Constitutional Law II

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: History

This course is focused on civil liberties and civil rights as given in the Constitution, especially the Bill of Rights and the Civil War Amendments, and as reflected in Supreme Court decisions. Prior credit in American Government or its equivalent is recommended. Constitutional Law I is not a prerequisite for this course. (3-0-3)

POLS 4580H - Constitutional Law II

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: History

This course is focused on civil liberties and civil rights as given in the Constitution, especially the Bill of Rights and the Civil War Amendments, and as reflected in Supreme Court decisions. Prior credit in American Government or its equivalent is recommended. Constitutional Law I is not a prerequisite for this course. (3-0-3)

POLS 4630 - International Relations

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Political Science

The focus of this course is the theory and practices of international relations. (3-0-3)

POLS 4690 - American Foreign Policy

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: History

This course surveys U.S. foreign policy from the 18th to the 21st centuries with emphasis on the role of the international system in shaping American policies and interests. (3-0-3)

POLS 4700 - Political Philosophy**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

In this course students examine the development of political philosophy and the perennial issues with which it is concerned through the works of such thinkers as Plato, Aristotle, Augustine, Aquinas, Machiavelli, Hobbes, Locke, Rousseau, and Marx. (3-0-3)

POLS 4710 - Modern Political Ideologies**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Political Science

This course examines the ideologies which have influenced major political events and shaped our understand of political legitimacy more broadly. Examples include nationalism, capitalism, fascism, liberalism, communism, socialism, conservatism, and republicanism (3-0-3).

POLS 4730 - Religion and Politics**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

This course surveys the interaction of religion in U.S. politics and political behavior from the early colonial period through the contemporary political scene. (3-0-3)

POLS 4730H - Religion and Politics Honors**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

This course surveys the interaction of religion in U.S. politics and political behavior from the early colonial period through the contemporary political scene. (3-0-3) Honor Section

POLS 4760 - American Political Thought**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

This course entails an examination of the basic ideas about man and government that have formed the basis for political practice and debate within the United States. Schools and trends of thought from the colonial era to contemporary times will be explored. (3-0-3)

POLS 4900 - Special Topics in Pol Sci**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

This course focuses on selected issues, problems, and literature in political science. A student must get the permission of the Department Chair. (3-0-3)

POLS 4900H - Spec Tops in Pol Sci - Honors**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

A variable credit course on selected issues, problems, and literature in political science. Must have permission of Department Chair. This section is for students participating in the GSW Honors Program. (3-0-3)

POLS 4920 - Political Science Internship**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

Internships with government agencies are available for qualified students. See the Coordinator of Intern Programs for information. (3-0-3)

POLS 4930 - Pre-Law Internship**Credits:** 3.00**Lecture:** 0.00**College:** College of Arts and Sciences**Department:** Political Science

Pols 4930. Pre-Law Internship. Internships with law related fields are available for qualified students. See the Coordinator of Pre-Law Services for information. (0-9-3)

POLS 4950 - Senior Research**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

Required of all political science majors, this capstone research course requires students to integrate the basic concepts, methods, and sub-fields of political science, and to relate these to the contemporary world. It further develops skills in research and communications. A student must have earned a grade of C or better in at least 15 hours of upper division political science. (3-0-3)

Prerequisites:

POLS 3205 Minimum Grade: D and (POLS 4630 Minimum Grade: D or POL 463 Minimum Grade: D) and (POLS 4700 Minimum Grade: D or POL 470 Minimum Grade: D)

Psychology**PSYC 1101 - Introduction to Psychology****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Psychology

A survey of the scientific discipline of psychology, including the approach used to address key issues. Emphasis is placed on heredity, environment, emotions, motives, learning and intelligence as related to individual differences. This course serves as a prerequisite for advanced courses in psychology. (3-0-3)

PSYC 1101H - Intro to Psychology-Honors**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Psychology

A survey of the scientific discipline of psychology, including the approach used to address key issues. Emphasis is placed on heredity, environment, emotions, motives, learning and intelligence as related to individual differences. This course serves as a prerequisite for advanced courses in psychology. This section is for students participating in the GSW Honors Program. (3-0-3)

PSYC 1102 - Psyc as a Natural Science**Credits:** 3.00**Lecture:****College:** College of Arts and Sciences**Department:** Psychology

An introduction to modern scientific psychology with emphasis upon historical and methodological foundations. Scientific principles of sensation and perception, learning, cognition, motivation and emotion, intelligence and personality, abnormal behavior, health, mating, families, social behavior, and culture will be examined. (3-0-3)
PSYC 1101 is a prerequisite.

Prerequisites:

PSYC 1101

PSYC 1102H - Psyc as Natural Sci- Honors**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Psychology

An introduction to modern scientific psychology with emphasis upon historical and methodological foundations. Scientific principles of sensation and perception, learning, cognition, motivation and emotion, intelligence and personality, abnormal behavior, health, mating, families, social behavior, and culture will be examined. This section is for students participating in the GSW Honors Program. (3-0-3)

PSYC 2001 - Introduction to Caregiving**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Psychology

Introduction of the concept of caregiving as a vital role(s) caregivers play in providing health care, utilizing a multi-cultural approach. Legal, economic, and policy issues related to caregiving are explored. (3-0-3)

PSYC 2103 - Human Growth-Development**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Psychology

The study of human development throughout the lifespan, including key events and changes in physical, cognitive, and socio-emotional functioning. (3-0-3)

PSYC 2103H - Human Growth-Dev-Honors**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Psychology

The study of human development throughout the lifespan, including key events and changes in physical, cognitive, and socio-emotional functioning. This section is for students participating in the GSW Honors Program. (3-0-3)

PSYC 2103S - Hum Growth & Dev-Study Abroad**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Psychology

The study of human development throughout the lifespan, including key events and changes in physical, cognitive, and socio-emotional functioning (3-0-3) Taken as part of a study abroad experience.

PSYC 3301 - Psychological Statistics**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Psychology

An introduction to the basic principles of descriptive and inferential statistics. The course emphasizes the application of statistical methods and research designs found commonly in the social sciences. May substitute SOCI 3331. (3-0-3)

PSYC 3308 - Psycho Aspects of Aging**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Psychology

A thorough discussion of human aging, focusing on the physiological and psychosocial aspects of aging, as well as a historical and contemporary examination of the various psychological and sociological aspects of death and dying. May substitute SOCI 3308. Prerequisite(s): PSYC 1101 or PSYC 1101H or PSY 101 or SOCI 1101 or SOCI 1101H or SOC 202. Permission of instructor required. Co-requisite(s): none. (3-0-3)

Prerequisites:

PSYC 1101 or PSY 101 or PSYC 1101H or SOCI 1101 or SOCI 202 or SOCI 1101H

PSYC 3309 - Human Sexuality**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Psychology

A thorough discussion of human sexuality, focusing on the psychological, social, anthropological, and physiological aspects of sexual expression. The treatment of sexual problems, therapies, and deviancy are addressed along with myths and realities. May substitute SOCI 3309. (3-0-3)

Prerequisites:

PSYC 1101 or PSYC 1101H or SOCI 1101 or SOCI 1101H or PSY 101 or SOC 202

PSYC 3309H - Human Sexuality- Honors**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Psychology

A thorough discussion of human sexuality, focusing on the psychological, social, anthropological, and physiological aspects of sexual expression. The treatment of sexual problems, therapies, and deviancy are addressed along with myths and realities. May substitute SOCI 3309. This section is for students participating in the GSW Honors Program. (3-0-3)

PSYC 3311 - Social Psychology**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Psychology

The scientific study of how people's thoughts, feelings, and behaviors are influenced by both the real and imagined presence of others. Topics include such subjects as social influence, attitudes, social cognition, interpersonal attraction and prejudice. May substitute SOCI 3311. (3-0-3) Prerequisite: PSYC 1101

Prerequisites:

PSYC 1101

PSYC 3311H - Social Psychology - Honors**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Psychology**PSYC 3320 - Child Psychology****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Arts and Sciences

An explanation of the typical and atypical development of children in physical, cognitive, and socioemotional areas, with an emphasis on the scientific study of child development and the application of psychological principles to understanding and enhancing the development of children. (3-0-3) Prerequisite: PSYC 1101

Prerequisites:

PSYC 1101

PSYC 3331 - Intro Psychological Testing**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Psychology

Theory of psychological measurement, types and characteristics of tests, methods for evaluating tests, and review of some of the more commonly used psychological tests. (3-0-3)

Prerequisites:

PSYC 1101 or PSYC 1101H or PSY 101

PSYC 3332 - Adolescent Development

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Psychology

The student of development of adolescents, including key events and changes in physical, cognitive, social and emotional functioning. Prerequisite(s): PSYC 1101 or PSYC 1101H or PSY 101. Co-requisites: none (3-0-3).

PSYC 3337 - Theories of Personal Relations

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Psychology

A survey of the major theories and research findings regarding personal relationships. The topics of interpersonal attraction, liking, loving, romance, communication, and therapeutic interventions will be covered. Productive and non-productive human interactions are differentiated. (3-0-3)

Prerequisites:

PSYC 1101 or PSYC 1101H or PSY 101

PSYC 3337H - Thry of Personal Rel- HONORS

Credits: 3.00

Lecture:

College: College of Arts and Sciences

Department: Psychology

A survey of the major theories and research findings regarding personal relationships. The topics of interpersonal attraction, liking, loving, romance, communication, and therapeutic interventions will be covered. Productive and non-productive human interactions are differentiated. This section is for students participating in the GSW Honors Program. (3-0-3)

PSYC 3338 - Sport Psychology

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Psychology

A survey of the science of sport psychology in which the principles of psychology are applied in a sport setting. The course will explore the enhancement of both athletic performance and the social-psychological aspects of human enrichment through sport. (3-0-3)

Prerequisites:

PSYC 1101 or PSYC 1101H or PSY 101

PSYC 3340 - Mass Media Influences

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Psychology

An examination of the forces of the modern mass media, including film, music, radio, books, magazines, and the internet, with emphasis upon television, and how they influence the psychosocial development of the individual and normative political and social behavior. May substitute SOCI 3340. Prerequisite: PSYC 1101 or SOCI 1101 (3-0-3).

Prerequisites:

PSYC 1101 or PSYC 1101H or PSY 101 or SOCI 202 or SOCI 1101 or SOCI 1101H

PSYC 3350 - Health Psychology

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Psychology

A survey course dealing with how environmental, social, and individual behaviors influence physical health. The interaction of society and psychology is emphasized and specific health problems are discussed such as diabetes, obesity, cardiovascular disease, and HIV/AIDS.

Prerequisites:

PSYC 1101 Minimum Grade: C or PSYC 1101H Minimum Grade: C or PSY 101 Minimum Grade: C

PSYC 3365 - Biopsychology

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Psychology

A survey of the relationship between the behavior of organisms and the biological processes mediating the behavior. The emphasis is on the physiological, neurochemical and evolutionary aspects of motivation, emotion, and learning. (3-0-3)

Prerequisites:

PSYC 1101 or PSY 101 or PSYC 1101H

PSYC 3365H - Biopsychology-Hnr

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Psychology

A survey of the relationship between the behavior of organisms and the biological processes mediating the behavior. The emphasis is on the physiological, neurochemical and evolutionary aspects of motivation, emotion, and learning. This section is for students participating in the GSW Honors Program. (3-0-3)

PSYC 3380 - Sensation and Perception

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Psychology

Consideration of the way in which stimuli in our world, such as light and sound, act on the human sensory systems and how the brain transforms raw sensory information into meaningful perceptions. (3-0-3)

Prerequisites:

PSYC 1101 or PSYC 1101H or PSY 101

PSYC 3390 - Cross-Cultural Psychology

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Psychology

The purpose of this course is to explore, examine, and better understand how culture influences our lives. We will look at how culture impacts our cognition, emotions, motivations, personality, and other facets of human lives.

PSYC 3850 - Forensic Psychology

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Psychology

Examines the relationship between psychology and law, focusing on the roles of psychologists in legal settings. Focuses on the applicability of various psychological theories to criminal justice processes. Topics include competence evaluations, rehabilitation potential, accuracy of eyewitness testimony, the psychology of jury selection bystander apathy, the insanity defense, and the effectiveness of the polygraph, among others.

Prerequisites: PSYC 1101, ENGL 1102 Both with C or better COURSE LIMITED TO CRIMINAL JUSTICE MAJORS ONLY!

Prerequisites:

PSYC 4395 - Theo-Rsrch in Caregiving

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Psychology

A research-based discussion of key issues in the study of caregiving, including similarities and differences among caregiving populations, cultural influences on caregiving, and the interplay between professional and family caregivers. Pre-requisite(s): PSYC 1101, PSYC 1101H, or PSY 101. Permission of instructor required.

Co-requisite(s): none (3-0-3).

Prerequisites:

PSYC 1101 or PSYC 1101H and PSYC 2000

PSYC 4401 - Abnormal Psychology**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Psychology

A survey course of all the major disorders, their symptoms and theories regarding how each disorder originates, and evidence-based treatments. (3-0-3)

Prerequisites:

PSYC 1101 or PSY 101 or PSYC 1101H

PSYC 4401H - Abnormal Psychology-Honors**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Psychology**PSYC 4402 - Prin of Behavior Modification****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Psychology

A survey of learning theory and principles applicable to the modification of human maladaptive behavior. (3-0-3)

Prerequisites:

PSYC 1101 or PSY 101 or PSYC 1101H

PSYC 4403 - Emotional Problems of Children**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Psychology

A survey course of major mental disorders of childhood and adolescence, including symptoms, theories with regard to etiology of the disorders, and evidence-based treatments. Prerequisite(s): PSYC 1101 or PSYC 1101H or PSY 101. Co-requisites: none (3-0-3).

Prerequisites:

PSYC 1101 or PSYC 1101H or PSY 101

PSYC 4405 - Theo and Tech of Counseling**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Psychology

A general introduction to major theories and techniques of counseling and their applicability to various kinds of clientele. (3-0-3)

Prerequisites:

PSYC 1101 or PSY 101 or PSYC 1101H

PSYC 4405H - Theo and Tech Counsel - Hnrs**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Psychology

A general introduction to various theories and techniques of counseling and their applicability to various kinds of clientele. Must have 10 hours of Psychology courses and permission of the instructor or department chair. This course is for students participating in the GSW Honors Program.(3-0-3)

PSYC 4407 - Theories of Learning**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Psychology

The principles of classical and operant conditioning as related to animal and human behavior and cognition will be covered. Contemporary research on learning, memory, language, and thinking will be incorporated along with research related to classic learning principles. Content provides an excellent background for further coursework in psychology, sociology, social work, education, and similar areas of study. (3-0-3)

Prerequisites:

PSYC 1101 or PSY 101 or PSYC 1101H

PSYC 4410 - Cognitive Psychology

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Psychology

A survey of information processing approaches to understanding the mind that includes perception, attention, memory, language, and problem solving. (3-0-3)

Prerequisites:

PSYC 1101 or PSYC 1101H or PSY 101

PSYC 4411 - History-Systems of Psychology

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Psychology

A survey of the philosophical origins and methodological developments of the science of psychology, including its various systems and/or schools of thought and the current status of each. Major theorists and their theories are presented in the development of the history of the discipline. Must have permission of instructor. (3-0-3)

Prerequisites:

PSYC 1101 or PSYC 1101H or PSY 101

PSYC 4414 - Psychology of Language

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Psychology

An examination of contemporary theories and studies of language comprehension, speech production, neurocognition, language development, and language disorders. (3-0-3)

Prerequisites:

PSYC 1101 or PSY 101 or PSYC 1101H

PSYC 4422 - Theories of Personality

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Psychology

A survey of the most important theories of personality. Emphasis is placed upon experimental validation and the implications of the theories for psychology and other disciplines. (3-0-3)

Prerequisites:

PSYC 1101 or PSYC 1101H or PSY 101

PSYC 4431 - Experimental Psychology

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Psychology

A study of the rationale of experimentation and techniques for the isolation and measurement of variables. Laboratory experience is provided in the construction, execution, and interpretation of scientific experiments on behavior. (3-0-3)

Prerequisites:

(PSY 101 or PSYC 1101 or PSYC 1101H) and (PSY 301 or PSYC 3301 or SOCI 3331 or SOC 331)

PSYC 4431H - Experimental Psych-Honors

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Psychology

PSYC 4450 - Seminar in Psychology**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Psychology

A capstone course focusing on in-depth discussion of major issues and schools of thought in psychology. The intent is to provide review and closure for psychology majors by demonstrating the interrelatedness of different areas of psychology and their relevance for affecting and explaining different social phenomena. (3-0-3)

Prerequisites:

PSYC 1101 or PSYC 1101H or PSY 101

PSYC 4450H - Seminar in Psychology Honors**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Psychology**PSYC 4492 - Psychology Internship****Credits:** 3.00 TO 9.00**Lecture:****College:** College of Arts and Sciences**Department:** Psychology

A field experience course in which the student completes responsibilities in a selected human service agency. Designed to provide the student with practical exposure to relevant career fields. Students will work: (A) a minimum of 84 hours to receive three credit hours, (B) a minimum of 168 hours to receive six credit hours, or (C) a minimum of 252 to receive nine credit hours, along with meeting the academic requirements. Permission of Academic Advisor, Internship Coordinator, and Department Chair are required. (0-6-3) 3 credit hours; (0-12-6) 6 credit hours; (0-18-9) 9 credit hours.

PSYC 4497 - Senior Research I**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Psychology

Independent study projects in Psychology. Requires permission of instructor.

PSYC 4498 - Senior Research II**Credits:** 3.00**Lecture:****College:** College of Arts and Sciences**Department:** Psychology

A three-hour course in basic research requiring the student to specify a problem, review the relevant literature, and collect and analyze data for summary presentation in journal form. (3-0-3)

Prerequisites:

(PSYC 3301 or PSY 301) and (PSYC 431 or PSYC 4431)

PSYC 449A - Special Topics in Psychology**Credits:** 3.00**Lecture:****College:** College of Arts and Sciences**Department:** Psychology

A course on selected issues, problems, and literature in Psychology. (3-0-3)

Prerequisites:

PSYC 1101 or PSY 101 or PSYC 1101H

Social Justice**SJUS 3000 - Introduction to Social Justice****Credits:** 3.00**Lecture:****College:** College of Arts and Sciences**Department:** Sociology

Prerequisites:

SOCI 1101 or POLS 1101

SJUS 4000 - Social Justice Culture

Credits: 3.00

Lecture:

College: College of Arts and Sciences

Department: Sociology

Prerequisites:

SJUS 3000

SJUS 4050 - Law and Social Justice

Credits: 3.00

Lecture:

College: College of Arts and Sciences

Department: Sociology

Prerequisites:

SJUS 3000

SJUS 4800 - Social Justice Policy Analysis

Credits: 3.00

Lecture:

College: College of Arts and Sciences

Department: Sociology

Prerequisites:

SJUS 3000

Sociology

SOCI 1101 - Introduction to Sociology

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Psychology

A general analysis of human social behavior, culture, social groups, and social institutions. (3-0-3)

SOCI 1101H - Intro to Sociology-Honors

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Psychology

A general analysis of human social behavior, culture, social groups, and social institutions. This section is for students participating in the GSW Honors Program. (3-0-3)

SOCI 1160 - Contemporary Social Problems

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Psychology

In this course a limited number of current social problems are selected for in-depth analysis. The student is introduced to a sociological approach that examines the structures and processes that contribute to "problems." Each problem is also examined for societal changes that might ameliorate the identified conditions. Several theoretical approaches are utilized. (3-0-3)

SOCI 1160S - Cont Social Prob-Study Abroad

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Psychology

In this course a limited number of current social problems are selected for in-depth analysis. The student is introduced to a sociological approach that examines the structures and processes that contribute to "problems." Each problem is also examined for societal changes that might ameliorate the identified conditions. Several theoretical approaches are utilized. Taken as a study abroad experience. (3-0-3)

Prerequisites:

SOCI 1101

SOCI 1200 - Global Social Justice

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Sociology

This course explores social justice issues that challenge humanity worldwide. Through considering the topic of global social justice, students will be exposed to sociology's rich and fruitful analytical lens for understanding the different values, priorities, and beliefs held by communities of people around the globe. Ultimately, students will gain a nuanced understanding of some of the most urgent challenges facing humanity today. (3-0-3)

SOCI 2293 - Sociology of Family

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Psychology

An in-depth analysis of the American family with cross-cultural and historical comparisons. Emphasis is placed on the various changes occurring within the American family. (3-0-3)

SOCI 2293H - Sociology of Family

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Psychology

SOCI 3308 - Psychosocial Aspects of Aging

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Psychology

A thorough discussion of human aging, focusing on the physiological and psychosocial aspects of aging, as well as a historical and contemporary examination of the various psychological and sociological aspects of death and dying. May require consent of instructor or meet pre-requisites. May substitute PSYC 3308. (3-0-3)

Prerequisites:

PSYC 1101 or PSYC 1101H or SOCI 1101 or SOCI 1101H or PSY 101 or SOC 202

SOCI 3309 - Human Sexuality

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Psychology

A thorough discussion of human sexuality, focusing on the psychological, social, anthropological, and physiological aspects of human sexuality and with treatment of sexual problems, therapies, and deviance. May Substitute PSYC 3309. (3-0-3) Prerequisite(s): SOCI 1101 Introduction to Sociology or PSYC 1101 Introduction to Psychology. May not be enrolled as a Freshman. Co-requisite: none (3-0-3).

Prerequisites:

PSYC 1101 or PSY 101 or PSYC 1101H or SOCI 1101 or SOCI 1101H or SOC 202

SOCI 3318 - Sociology of Religion

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Psychology

An examination of classical and contemporary sociological theory and method as applied in analysis of religion. (3-0-3)

SOCI 3325 - Introduction to Social Work**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Psychology

A survey of the field of social work. Content includes an examination of social work concepts, values, and ideology; origin and history; methods of practice; practice settings; and current issues in the delivery of social services. (3-0-3)

Prerequisites:

SOCI 1101 or SOCI 1101H or SOC 202

SOCI 3330 - Methods of Social Research**Credits:** 3.00**Lecture:** 5.00**College:** College of Arts and Sciences**Department:** Psychology**Prerequisites:**

SOCI 1101 Minimum Grade: D or SOCI 1101H Minimum Grade: C

SOCI 3331 - Sociological Statistics**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Psychology

An introduction to the basic principles of descriptive and inferential statistics. The course emphasizes a non-mathematical approach to the theory of statistics and the application of statistical methods and research designs found commonly in the social sciences. May substitute PSYC 3301. Prerequisite: SOCI 1101. (3-0-3)

SOCI 3340 - Mass Media Influences**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Psychology

An examination of the forces of the modern mass media, including film, music, radio, books, magazines, and the internet, with emphasis upon television, and how they influence the psychosocial development of the individual and normative political and social behavior. May substitute PSYC 3340. (3-0-3)

Prerequisites:

PSYC 1101 or PSYC 1101H or SOCI 1101 or SOCI 1101H or PSY 101 or SOC 202

SOCI 3350 - Criminology**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Psychology

A study of the legal and social aspects of crime. The making of laws, the breaking of laws, and the sanctioning of law violators are examined. Police, courts, and prevention are included as critical aspects of understanding crime. (3-0-3)

Prerequisites:

SOCI 1101 or SOC 202 or SOCI 1101H

SOCI 3800 - Development of Crim Beh**Credits:** 3.00**Lecture:****College:** College of Arts and Sciences**Department:** Sociology

Focuses on understanding the development of criminal behavior. The course will cover topics such as the causes of violent crime and the development of criminality. Prerequisites: ENGL 1102 with a C or better. COURSE LIMITED TO CRIMINAL JUSTICE MAJORS ONLY!

Prerequisites:

SOCI 4230 - Soc of Health and Medicine**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Sociology

This course examines the social aspects of health, illness, and our healthcare delivery system. In addition to examining key disparities in health and healthcare by age, gender, race, and social class, students will also be exposed to issues pertaining to HIV/AIDS, cancer, heart disease, bioethics, technology, and alternative medicine.

Prerequisites:

SOCI 1101

SOCI 4350 - Family Violence**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Sociology

An analysis of family violence in the U.S. Topics include child maltreatment, intimate partner abuse, sexual violence, and elderly abuse. Emphasis on social aspects of family violence and criminal justice responses (3-0-3).

Prerequisite(s): SOCI 1101 Intro to Sociology May not be enrolled as a Freshman.

Prerequisites:

SOCI 1101 or SOC 202

SOCI 4411 - Race and Minority Relations**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Psychology

An analysis of the development of minority group relations in the United States, with emphasis on black-white relationships in the South. Prerequisite: SOCI 1101 (3-0-3)

SOCI 4417 - Gender and Society**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Sociology

An analysis of women in the United States emphasizing historical and contemporary relationships of women to education, religion, law, politics, employment, family, and sexuality. Must have permission of instructor or meet pre-requisites. (3-0-3)

SOCI 4420 - Development of Social Theory**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Sociology

A comprehensive survey of classical sociological thought emphasizing the major theorists of each period. Upper division standing required. (3-0-3)

Prerequisites:

SOCI 1101 or SOCI 1101H or SOC 202

SOCI 4420H - Dev of Social Theory-Honors**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Sociology

A comprehensive survey of classical sociological thought emphasizing the major theorists of each period. Upper division standing required. This section is for students participating in the GSW Honors Program. (3-0-3)

SOCI 4440 - Methods of Social Research**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Psychology

A comprehensive study of the various methods of social research design and technique, including a directed application. Upper division standing required. (3-0-3)

Prerequisites:

SOCI 1101 or SOCI 1101H or SOC 202

SOCI 4445 - Deviant Social Behavior**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Psychology

A review of the history and research in the area of deviant behavior. The social basis of definitions, theories, and treatment of deviant social behavior will be examined. (3-0-3)

SOCI 4445H - Deviant Social Behavior-Honors**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Psychology**Prerequisites:**

SOC 202 or SOCI 1101 or SOCI 1101H

SOCI 4450 - Seminar in Sociology**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Psychology

A critical examination of historical and contemporary sociological thought. Topics include the development of major sociological theoretical schools-- including functionalism, conflict theory, modern systems theory, symbolic interactionist theory and ethnomethodology, postmodern social theory, feminist theory, neo-Marxism, and neo-functionalism and major developments in sociological methods and practice. (3-0-3)

Prerequisites:

SOCI 1101 or SOC 202

SOCI 4460 - Environmental Sociology**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Psychology

This course examines multiple facets of the relationship between humans and the natural environment. Topics covered include the political economy of environmental problems, the environmental movement, environmental justice, environmental problems in "developing" countries, and the impacts of environmental problems on human health.

SOCI 4465 - Society and Natural Resources**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Sociology

This course is dedicated to analyzing the use of natural resources by humans. The most time is spent investigating water, food, and energy, but conflicts over resources as well as alternative commodity chains will also be examined. By the end of the course, each students will have a better understanding of where our most important resources come from, how they are produced, the effects of their consumption, and what happens when they are disposed of.

SOCI 4492 - Sociology Internships**Credits:** 3.00 TO 9.00**Lecture:****College:** College of Arts and Sciences**Department:** Psychology

A field experience course in which the student completes responsibilities in a selected human services agency. Designed to provide the student with practical exposure to relevant career fields. Students will work: (A) a minimum of 84 hours to receive three credit hours, (B) a minimum of 168 hours to receive six credit hours, or (C) a minimum of 252 hours to receive nine credit hours, along with meeting academic requirements. Permission of Academic Advisor, Internship Coordinator, and Department Chair are required. (0-6-3) 3 credit hours; (0-12-6) 6 credit hours; (0-18-9) 9 credit hours.

SOCI 4498 - Research**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Psychology

Individual research project under faculty direction. Must have permission of instructor and Department Chair. (3-0-3)

SOCI 449A - Special Topics in Sociology**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Psychology

A course on selected issues, problems, and literature in sociology. (3-0-3)

Prerequisites:

SOCI 1101 or SOC 202 or SOCI 1101H

Social Science**SOSC 1101 - The World and Its Peoples****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

A survey of world human cultures. Emphasis will be on geography, history, economic systems, sociological foundations, governmental systems, and religion. An attempt will be made to integrate the various social sciences using a world regional approach. (3-0-3)

SOSC 1101H - The World and Its People**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History**SOSC 1101S - World-Its Peoples-Study Abrd****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

A survey of world human cultures. Emphasis will be on geography, history, economic systems, sociological foundations, governmental systems, and religion. An attempt will be made to integrate the various social sciences using a world regional approach. Taken as a study abroad experience. (3-0-3)

SOSC 4900 - Special Topics in Social Sc**Credits:** 1.00 TO 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

A variable credit course on selected issues, problems, and literature in social science. Must have permission of the instructor. (3-0-3)

Spanish

SPAN 1001 - Elementary Spanish I

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

Introduction to listening, speaking, reading, and writing in Spanish and to the culture of Spanish-speaking regions. Not open to students with two or more years of high school Spanish. Designed for students with no previous knowledge of Spanish. Not open to native speakers. Laboratory work required. (3-0-3)

SPAN 1001S - Elem Spanish - Study Abroad

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

Introduction to listening, speaking, reading, and writing in Spanish and to the culture of Spanish-speaking regions. Not open to students with two or more years of high school Spanish. Designed for students with no previous knowledge of Spanish. Not open to native speakers. Laboratory work required. (3-0-3) Taken as part of a study abroad experience.

SPAN 1002 - Elementary Spanish II

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

Continued listening, speaking, reading, and writing in Spanish with further study of the culture of Spanish speaking regions. Not open to native speakers. (3-2-3)

Prerequisites:

SPAN 1001 Minimum Grade: C or SPN 101 Minimum Grade: C

SPAN 2001 - Intermediate Spanish I

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

Initial exposure to short literary works by authors from Spain and Latin America complemented by biographical and cultural notes. Conversational format with weekly written assignments. Laboratory requirement. (3-0-3)

Prerequisites:

(SPAN 1002 Minimum Grade: C or SPN 102 Minimum Grade: C)

SPAN 2001S - Inter Spanish I - Study Abroad

Credits: 3.00

Lecture:

College: College of Arts and Sciences

Department: English and Modern Languages

Initial exposure to short literary works by authors from Spain and Latin America complemented by biographical and cultural notes. Conversational format with weekly written assignments. Laboratory requirement. (3-0-3) Taught as part of a study abroad experience.

Prerequisites:

SPAN 1002

SPAN 2002 - Intermediate Spanish II

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

Continues building verbal and grammatical skills and expands exposure to touchstones of Hispanic literature from both continents. Laboratory work. (3-0-3)

Prerequisites:

(SPAN 2001 Minimum Grade: C or SPN 201 Minimum Grade: C or SPAN 2001G Minimum Grade: C or SPAN 2001H Minimum Grade: C or SPAN 2001S Minimum Grade: C)

SPAN 202S - Inter Spanish II -Study Abroad**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Modern Languages

Continues building verbal and grammatical skills and expands exposure to touchstones of Hispanic literature from both continents. Laboratory work. (3-0-3) Taught as part of a study abroad experience.

Prerequisites:

SPAN 2001 or SPAN 2001S

SPAN 3110 - Span Culture-Civil to 1700**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Modern Languages

Survey of the civilization and culture of Spain from prehistoric times to 1700 A.D. Reading skills in Spanish will be reinforced by discussions, lab work and written examinations in the target language. (3-0-3)

Prerequisites:

SPAN 2002 Minimum Grade: C or SPN 202 Minimum Grade: C

SPAN 3120 - Spn Culture-Civil aft 1700**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Modern Languages

Survey of the civilization and culture of Spain from 1700 to the present. Reading skills in Spanish will be reinforced by discussions, lab work and written examinations in the target language. (3-0-3)

Prerequisites:

SPAN 2002 Minimum Grade: C or SPN 202 Minimum Grade: C

SPAN 3130 - Latin America Culture-Civil**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Modern Languages

Culture and civilization of Latin America from pre-Colombian times to the present. Lectures, readings and assignments in Spanish. Laboratory work required. (3-0-3)

Prerequisites:

SPAN 2002 Minimum Grade: C or SPN 202 Minimum Grade: C

SPAN 4010 - Spanish Conversation**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Modern Languages

Spanish Conversation focuses on contemporary events and popular Hispanic culture while refining the verbal skills first acquired by students in the introductory sequence of the target language. (3-0-3)

Prerequisites:

SPAN 2002 Minimum Grade: C or SPN 202 Minimum Grade: C

SPAN 4020 - Span Adv Grammar-Composition**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Modern Languages

Inductive study of Spanish grammar. Excerpts from literary masters illustrate principles of grammar that students analyze, personalize and practice. (3-0-3)

Prerequisites:

SPAN 2002 Minimum Grade: C or SPN 202 Minimum Grade: C

SPAN 4210 - Golden Age

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

Study of works by Calderon, Lope de Vega and other masters of the period. Laboratory work required. (3-0-3)

Prerequisites:

SPAN 2002 or SPN 202

SPAN 4220 - Contemporary Latin Amer Novel

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

Representative novels of the Nineteenth and Twentieth centuries read and discussed. Laboratory work required. (3-0-3)

Prerequisites:

(SPAN 2002 Minimum Grade: C or SPN 202 Minimum Grade: C)

SPAN 4230 - Modernism

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

An in-depth study of this nineteenth century movement with emphasis on poetry and the short story. Authors of Spain and Latin America. Laboratory work required. (3-0-3)

Prerequisites:

(SPAN 2002 Minimum Grade: C or SPN 202 Minimum Grade: C)

SPAN 4240 - Span Poetry from Golden Age

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

A study of trends in poetry since 1700. Laboratory work required. (3-0-3)

Prerequisites:

(SPAN 2002 Minimum Grade: C or SPN 202 Minimum Grade: C)

SPAN 4250 - Cervantes

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

A study of the Quijote and other works by Cervantes. Laboratory work required. (3-0-3)

Prerequisites:

SPAN 2002 Minimum Grade: C or SPN 202 Minimum Grade: C

SPAN 4260 - Span Novel of 19-20th Cent

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

A study of selected novels to show literary, social, and political trends in Spain. Laboratory work required. (3-0-3)

Prerequisites:

(SPAN 2002 Minimum Grade: C or SPN 202 Minimum Grade: C)

SPAN 4270 - Contemporary Spanish Lit

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: English and Modern Languages

Emphasis on the short story and drama. Laboratory work required. (3-0-3)

Prerequisites:

SPAN 2002 Minimum Grade: C or SPN 202 Minimum Grade: C

Theater**THEA 1100 - Theatre Appreciation****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Theater, Comm, & Media Arts

Surveys the contributions of performers, designers, and playwrights to a theater production. The audience as co-author of the theater event is also examined. The customary sequence involved in producing a play will be discussed. Information will also be presented about audiences, theaters, performers, and the conventions of the theater of several eras. Lab fee required. (3-0-3)

THEA 1100H - Honors Theater Appreciation**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Theater, Comm, & Media Arts

Surveys the contributions of performers, designers, and playwrights to a theater production. The audience as co-author of the theater event is also examined. The customary sequence involved in producing a play will be discussed. Information will also be presented about audiences, theaters, performers, and the conventions of the theater of several eras. This section is for students participating in the GSW Honors Program. Lab fee required. (3-0-3)

THEA 1110 - Perf Skills for Bus and Prof**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Theater, Comm, & Media Arts

A training and development workshop focused on the cultivation of individual performance skills vital to success in business and professions, and which are especially relevant in the age of modern media. (3-0-3)

THEA 1111 - Perf and Prod Practicum**Credits:** 1.00**Lecture:** 12.00**College:** College of Arts and Sciences**Department:** Theater, Comm, & Media Arts

(0-12-1)

THEA 1111H - Perf and Prod Practicum Honors**Credits:** 1.00**Lecture:** 12.00**College:** College of Arts and Sciences**Department:** Theater, Comm, & Media Arts

(0-12-1)

THEA 1112 - Video Production Practicum**Credits:** 1.00**Lecture:****College:** College of Arts and Sciences**Department:** Theater, Comm, & Media Arts

(0-2-1)

THEA 2020 - Stage Makeup**Credits:** 3.00**Lecture:****College:** College of Arts and Sciences**Department:** Theater, Comm, & Media Arts

An introduction to the basics of stage makeup design and implementation. Coursework is project driven and is designed to give the student the fundamental analytical and applied skills for the design area mentioned above. (3-0-3)

Prerequisites:

THEA 1100 Minimum Grade: C or THEA 1100H Minimum Grade: C

THEA 2020H - Stage Makeup - Honors

Credits: 3.00

Lecture:

College: College of Arts and Sciences

Department: Theater, Comm, & Media Arts

THEA 2040 - Acting I - Basic Technique

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Theater, Comm, & Media Arts

An introduction to the principles of acting, including preparation of the actor's instrument, physical and vocal technique, emotional life, analysis and creation of character. (3-0-3)

THEA 2040H - Acting I - Basic Tech-Hnr

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Theater, Comm, & Media Arts

An introduction to the principles of acting, including preparation of the actor's instrument, physical and vocal technique, emotional life, analysis and creation of character. This section is for students participating in the GSW Honors Program. (3-0-3)

THEA 2111 - Perf and Prod Practicum

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Theater, Comm, & Media Arts

Intermediate level study of the process and craft of video production through application and practice. Selection by approval of instructor. (0-12-1)

THEA 2112 - Video Production Practicum

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Theater, Comm, & Media Arts

(0-2-1)

THEA 2220 - Voice and Articulation

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Theater, Comm, & Media Arts

Study in the physiological and acoustical aspects of vocal delivery and participation in a regimen of exercises to develop articulation and vocal expression. (3-0-3)

THEA 2540 - Introduction to Performance

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Theater, Comm, & Media Arts

An introduction to the field of performance studies and the performance of non-dramatic texts. The construction of solo performance pieces from dialogues, narrative, ethnography and literature is the primary focus of the course. (3-0-3)

THEA 3020 - Stagecraft

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Theater, Comm, & Media Arts

An introduction to the elements of scenic construction, production organization and best construction practices. Course combines traditional lecture and assessment with practical application. (3-0-3)

Prerequisites:

THEA 1100 Minimum Grade: C or THEA 1100H Minimum Grade: C

THEA 3040 - Acting II - Scene Study

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Theater, Comm, & Media Arts
(3-0-3)

THEA 3060 - Scenic and Lighting Design

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Theater, Comm, & Media Arts

An introduction to the basics of theatrical design concentrating on scenic design and how lighting affects the design. Coursework is project driven and is designed to give the student the fundamental analytical and applied skills for the design areas mentioned above. (3-0-3)

Prerequisites:

THEA 1100 Minimum Grade: C

THEA 3070 - Costume and Lighting Design

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Theater, Comm, & Media Arts

An introduction to the basics of theatrical design concentrating on costume design and how lighting affects the design. Coursework is project driven and is designed to give the student the fundamental analytical and applied skills for the design areas mentioned above. (3-0-3)

Prerequisites:

THEA 1100 Minimum Grade: C

THEA 3070H - Costume & Lighting Design Hnr

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Theater, Comm, & Media Arts

THEA 3111 - Perf and Prod Practicum

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Theater, Comm, & Media Arts

Advanced level of study of the process and craft of producing theater through application and practice. Selection by audition or approval of instructor. (0-12-1)

THEA 3112 - Video Production Practicum

Credits: 1.00

Lecture:

College: College of Arts and Sciences

Department: Theater, Comm, & Media Arts
(0-0-1)

THEA 4020 - Advanced Stagecraft

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Theater, Comm, & Media Arts

A study of advanced theatrical production practices. Course work is project driven and is designed to give the student an advanced understanding and applied skills in the areas of theater production and digital media.

Prerequisite: THEA 3020 or with instructor approval. (3-0-3)

THEA 4040 - Acting III - Adv Technique

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Theater, Comm, & Media Arts

Intensive process and performance studio training in contemporary acting methodologies. (3-0-3)

THEA 4080 - Acting IV - Period Styles

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Theater, Comm, & Media Arts

This course serves to introduce students to the basic techniques and methodologies performing period plays.

Particular emphasis is given to approaches to Shakespeare and developing an overall approach to style work.

(3-0-3)

Prerequisites:

THEA 2220 Minimum Grade: C and THEA 2040 Minimum Grade: C

THEA 4111 - Perf and Prod Capstone

Credits: 3.00

Lecture:

College: College of Arts and Sciences

Department: Theater, Comm, & Media Arts

(0-12-3)

THEA 4112 - Video Production Capstone

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Theater, Comm, & Media Arts

(3-0-3)

THEA 4545 - Performance Theory

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Theater, Comm, & Media Arts

Advanced studies in the performance of non-dramatic text with emphasis on the development of original performance programs. (3-0-3)

THEA 4770 - Special Topics in Theater

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Theater, Comm, & Media Arts

Advanced opportunities for the study of topics to meet special needs and interest students, presented in conjunction with special programming of the department, or drawing on areas of faculty expertise not covered by the standing offerings. (3-0-3)

Orientation**UNIV 1000 - The GSW Experience**

Credits: 1.00

Lecture: 1.00

College: College of Arts and Sciences

Department: Arts and Sciences

The purpose of UNIV 1000 is to make students more effective consumers of their education by enhancing their survival in college during the first semester. The intention of this course is to prepare these students to deal successfully and responsibly with their academic obligations and the resources offered by GSW. This course is required of all first-time students with the exception of part-time students and transfer who have earned more than nine hours of credit. (1-1-1)

UNIV 1000E - The GSW Experience for ESL**Credits:** 1.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Arts and Sciences

The purpose of UNIV 1000 is to make ESL students more effective consumers of their education by enhancing their survival in college during the first semester. The intention of this course is to prepare these students to deal successfully and responsibly with their academic obligations and the resources offered by GSW. This course is required of all first-time students with the exception of part-time students and transfer who have earned more than nine hours of credit. (2-0-1)

UNIV 1000H - Honors Orientation**Credits:** 1.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** Arts and Sciences

The purpose of UNIV 1000 is to make students more effective consumers of their education by enhancing their survival in college during the first semester. The intention of this course is to prepare these students to deal successfully and responsibly with their academic obligations and the resources offered by GSW. This course is required of all first-time students with the exception of part-time students and transfer who have earned more than nine hours of credit. This section is for students participating in the GSW Honors Program. (1-1-1)

UNIV 1000I - University 1000**Credits:** 1.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** Arts and Sciences**UNIV 1000N - The GSW Experience for NonTrad****Credits:** 1.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** Arts and Sciences

The purpose of UNIV 1000N is to make nontraditional students more effective consumers of their education by enhancing their survival in college during the first semester. The intention of this course is to prepare these students to deal successfully and responsibly with their academic obligations and the resources offered by GSW. This course is required of all first-time students with the exception of part-time students and transfer who have earned more than nine hours of credit. (1-1-1)

UNIV 1001 - Pathways to College Success**Credits:** 1.00**Lecture:** 1.00**College:** No College Designated**Department:** Undeclared Department

Specifically designed for students who have demonstrated an on-going need for additional academic or social support beyond their first semester as they continue to transition to college life. Students will work collaboratively and independently to assess their academic and social challenges in order to devise and implement strategies for future success. Course is required for all first time freshmen with the academic standing of "warning" at the end of initial semester of enrollment. Prerequisites: Approval of Academic Affairs required. (1-0-1)

UNIV 2000 - Caregiving Issues-Prof Caregvr**Credits:** 1.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** Arts and Sciences

A multidisciplinary approach to caregiving is utilized to provide the student with information regarding caregivers and the vital role(s) they play in providing health care. Offered by the Rosalynn Carter Institute, this course seeks to educate current and potential professional caregivers to better meet the needs of the rapidly rising family and community caregiver populations.

UNIV 4000 - Contemporary Int Cultures

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Arts and Sciences

This course studies the contemporary culture of a country and the student gains firsthand knowledge through a service project with the people of the country. Students will explore the literature, language, music, philosophy, religion, science, education, art, politics, history, healthcare, and/or economics of the country. Course approval through the Dean of Arts and Sciences. (3-0-3)

UNIV 4000H - Contemp Int'l Cultures- Honors

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Arts and Sciences

This course studies the contemporary culture of a country and the student gains firsthand knowledge through a service project with the people of the country. Students will explore the literature, language, music, philosophy, religion, science, education, art, politics, history, healthcare, and/or economics of the country. Course approval through the Dean of Arts and Sciences. This section is for students participating in the GSW Honors program. (3-0-3)

UNIV 4010 - Contemporary American Cultures

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: Arts and Sciences

Students in this course will study in depth the past and present culture of a selected area of the United States other than southwest Georgia to prepare them to travel to the locale to participate in a service learning project with the people of the area. Enrollment is limited. Approval by the instructor of record is required for registration. (3-0-3)

USG Goes Global

USGG 1013 - World Civ I to 1500

Credits: 0.00

Lecture: 0.00

College: College of Arts and Sciences

Department: History

USGG 1014 - World Civ II since 1500

Credits: 0.00

Lecture: 0.00

College: College of Arts and Sciences

Department: History

USGG 3009 - Spanish Conversation

Credits: 0.00

Lecture: 0.00

College: College of Arts and Sciences

Department: English and Modern Languages

Women, Gender, & Sexuality

WGSS 2001 - Int Women, Gender, & Sexuality

Credits: 3.00

Lecture: 3.00

College: College of Arts and Sciences

Department: History

A course that explores multidisciplinary issues pertinent to Women, Gender, and Sexuality studies and thereby examines women's roles, achievements, and experiences, both historically and across cultures; and also critiques the socio-political and historical creation of gender constructs. (3-0-3)

WGSS 4000 - WGSS Independent Study**Credits:** 3.00**Lecture:** 1.00**College:** College of Arts and Sciences**Department:** History

The course will allow students to explore specialized topics related to Women, Gender, and Sexuality Studies in close focus with faculty guidance. An independent study option for credit allows students to pursue research and academic inquiry in an individualized manner. Official permission from both the WGSS Director and the faculty member of record is required. (1-11-3)

WGSS 4200 - Women, Gender & SS Internship**Credits:** 3.00**Lecture:****College:** College of Arts and Sciences**Department:** History

This course will allow students to observe and work along-side professionals in fields related to Women, Gender, and Sexuality Studies. Working independently but with advance approval from both the WGSS Director and site supervisor, students will gain experience in specialized fields such as women's health care or non-profit organizations focused on gender or sexual equality issues. Assignments appropriate to the individual internship will be constructed by either the WGSS Director or a faculty member of record. Assignments will emphasize professional development and specialized observation opportunities. (0-12-3)

Prerequisites:

WGSS 2001

WGSS 4500 - Spec Top in Women, Gender & SS**Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

This course provides an opportunity to explore selected issues, topics, and scholarly literature in the field of Women, Gender, & Sexuality Studies at the upper-division level. (3-0-3)

Women's Studies**WMST 2001H - Intro to Women's Studies-Honor****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Psychology

A course that explores multidisciplinary issues pertinent to Women's Studies and thereby examines women's roles, achievements, and experiences, both historically and across cultures; and also critiques the socio-political creation of gender constructs. This section is for students participating in the GSW Honors Program. (3-0-3)

Exercise Science**XSCI 2090 - Athletic Training****Credits:** 3.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Exercise Science

Theory and practice of massage, bandaging, taping, and caring for athletic injuries. Provides basic information on injury prevention and immediate care of the more common sports injuries for those entering into the fields of coaching and/or physical education. Basic foundations are also provided for the student interested in more substantive areas of rehabilitation and allied health careers.

XSCI 2100 - First Aid & Safety**Credits:** 2.00**Lecture:** 1.00**College:** College of Nursing & Health Sc**Department:** Exercise Science

American Red Cross standard courses in first aid and CPR (certification). (1-1-2)

XSCI 2180 - Introduction to Exercise Scien**Credits:** 1.00**Lecture:** 1.00**College:** College of Nursing & Health Sc**Department:** Exercise Science

Introduction to Exercise Science provides an overview of the components important to developing a solid understanding and appreciation of all aspects of exercise science. This course is designed to help students prepare for future careers with a specific focus on exercise science and the range of career paths in the field. Students will learn about the most current trends and theories in the exercise science field. (1-0-1) Prerequisites: none; Co-requisites: none

XSCI 2240 - Nutrition - Human Performance**Credits:** 3.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Health & Human Performance

A study of basic nutritional concepts as they relate to the exercising individual. Emphases will be on the physiological response of proper nutrition and methods of enhancing exercise or athletic performance. (3-0-3)

Prerequisites:

BIOL 2030 Minimum Grade: C

XSCI 2300 - Exercise Nutrition**Credits:** 3.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Exercise Science

An introduction to the field of nutrition, especially as it pertains to exercise performance, adaptation, and recovery. Course content will address the basics of nutrients, metabolism, and dietary requirements, as well as how diet can be manipulated to best achieve goals in performance and/or body composition. Pre-requisites: Minimum grade of "C" in BIOL 2030. Co-requisites: none (3-0-3)

Prerequisites:

(BIOL 2030 Minimum Grade: C)

XSCI 2500 - Comp App HHP**Credits:** 3.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Health & Human Performance

This course is designed as a comprehensive overview of computer-based methods for accessing, analyzing, and communicating information in the area of health and human performance. The course will focus on the development of skills necessary for the effective utilization of various computer tools and applications used in health, physical education, recreation and exercise science. (3-0-3)

XSCI 3090 - Advanced Athletic Training**Credits:** 3.00**Lecture:** 2.00**College:** College of Nursing & Health Sc**Department:** Exercise Science

A concentrated study by means of participation, observation, discussion, and research pertaining to advanced topics in the evaluation of traumatic and non-traumatic athletic injuries, as well as injuries to children and older adults. (2-1-3) Pre-requisite: HPER/XSCI 2090 minimum grade of C.

Prerequisites:

(HPER 2090 Minimum Grade: C or XSCI 2090 Minimum Grade: C)

XSCI 3240 - Kinesiology**Credits:** 3.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Exercise Science

Study of the human movement, along with the various muscles, bones, and nerves utilized within those movements. Pre-requisite: BIOL 2030 & BIOL 2040, minimum grade of C required.

Prerequisites:

(BIOL 2030 Minimum Grade: C and BIOL 2040 Minimum Grade: C) or (BIOL 203 Minimum Grade: C and BIOL 204 Minimum Grade: C)

XSCI 3240L - Kinesiology Laboratory

Credits: 1.00

Lecture:

College: College of Nursing & Health Sc

Department: Exercise Science

Study of human movement - including muscles, bones, and nerves utilized within those movements - through demonstration and experiment. Biomechanical aspects of human movement will also be thoroughly examined. Pre-requisite: Minimum grade of "C" in BIOL 2030 and BIOL 2040 Co-requisite: Requires simultaneous enrollment in or previous successful completion of XSCI 3240 (0-2-1)

Prerequisites:

(BIOL 2030 Minimum Grade: C and BIOL 2040 Minimum Grade: C)

XSCI 3250 - Test & Measurement

Credits: 3.00

Lecture: 3.00

College: College of Nursing & Health Sc

Department: Exercise Science

Methods in evaluating and testing in physical education and procedures to be used in evaluating these tests and their results, including statistical analysis. (3-0-3) Pre-requisites: MATH 2204, minimum grade of C required, MATH 204 minimum grade of C required, MATH 2204H, minimum grade of C required, and MATH 1401 minimum grade of C required.

Prerequisites:

(MATH 2204 Minimum Grade: C and MTH 204 Minimum Grade: C and MATH 2204H Minimum Grade: C and MATH 1401 Minimum Grade: C)

XSCI 3260 - Exercise Physiology

Credits: 3.00

Lecture: 3.00

College: College of Nursing & Health Sc

Department: Exercise Science

The current practice and theory of exercise physiology as applied to work, physical education, and sports. (3-0-3) Pre-requisite: BIOL 2030 and BIOL 2040, minimum grade of C required.

Prerequisites:

(BIOL 2030 Minimum Grade: C and BIOL 2040 Minimum Grade: C) or (BIOL 203 Minimum Grade: C and BIOL 204 Minimum Grade: C)

XSCI 3260H - Exercise Physiology - Hnr

Credits: 3.00

Lecture: 3.00

College: College of Nursing & Health Sc

Department: Exercise Science

The current practice and theory of exercise physiology as applied to work, physical education, and sports. (3-0-3) Pre-requisite: BIOL 2030 and BIOL 2040, minimum grade of C required. Honors section

XSCI 3260L - Exercise Physiology Lab

Credits: 1.00

Lecture:

College: College of Nursing & Health Sc

Department: Exercise Science

Exercise Physiology Lab. Overview of the physiological basis of human movement, including cardiorespiratory, neuromuscular, and bioenergetic systems. Examines the relationship of fundamental laws of physiology applied to human movement through laboratory demonstration and experiment. (0-2-1) Prerequisites: Minimum grade of "C" in BIOL 2030 and BIOL 2040. Co-requisite: Requires simultaneous enrollment in or previous successful completion of XSCI 3260.

Corequisites:

XSCI 3260

Prerequisites:

(BIOL 2030 Minimum Grade: C and BIOL 2040 Minimum Grade: C)

XSCI 3280 - Exercise Testing-Pres**Credits:** 3.00**Lecture:** 2.00**College:** College of Nursing & Health Sc**Department:** Exercise Science

The purpose of this course is to provide exercise science/wellness students with theoretical and practical knowledge of the various techniques used in clinical exercise testing and prescription for various populations.

Pre-requisites: HPER/XSCI 3260, minimum grade of C . required.

Prerequisites:

(XSCI 3260 Minimum Grade: C or HPER 3260 Minimum Grade: C)

XSCI 3300 - Strength and Conditioning**Credits:** 3.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Exercise Science

The purpose of this course is to provide students with theoretical and practical knowledge of the physiological, biomechanical, and administrative aspects of designing and supervising strength and conditioning programs for various populations. Pre-requisite: BIOL 2030, minimum grade of C required.

Prerequisites:

(BIOL 2030 Minimum Grade: C)

XSCI 3300L - Strength and Cond. Lab**Credits:** 1.00**Lecture:****College:** College of Nursing & Health Sc**Department:** Exercise Science

Through laboratory and other hands-on experience, this course will provide theoretical and practical knowledge of the physiological, biomechanical, and administrative aspects of designing and supervising strength and conditional programs for various populations Pre-requisites: Minmum grade of "C" in BIOL 2030. Co-requisites: Requires simultaneous enrollment in or previous successful completion of XSCI 3300. (0-2-1)

Prerequisites:

(BIOL 2030 Minimum Grade: C)

XSCI 3310 - Exercise Leadership**Credits:** 3.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Exercise Science

This course is designed to teach leadership skills, motivational techniques, choreography, administrative functions dealing with equipment purchase, organization and use and experiences leading aerobic exercise formats for a variety of populations. This course requires instructor approval or junior level status. (3-0-3)

XSCI 3320 - Health Promotion**Credits:** 3.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Exercise Science

A study of the principles and procedures necessary to effectively conduct health promotion program. The emphasis will be placed on the role of the health professional in developing wellness and preventative-oriented interventions to promote health lifestyles. (3-0-3)

XSCI 3330 - Ex Sci - Practicum**Credits:** 4.00**Lecture:****College:** College of Nursing & Health Sc**Department:** Exercise Science

The purpose of this course is to provide exercise science students with a practical field work experience under the supervision of a qualified exercise science professional in an approved setting. Pre-requisite: Jr/Sr. standing, successful complete of BIOL 2030 and BIOL 2040 with a grade of "C" or higher, instructor approval, and academic advisor approval. Co-requisite: none. (0-11-4)

Prerequisites:

(BIOL 2030 Minimum Grade: C and BIOL 2040 Minimum Grade: C)

XSCI 3400 - Health Behavior**Credits:** 3.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Exercise Science

This course is designed to provide health education and exercise students with an understanding of theories and models upon which behavior change is based, and to practice skills and strategies that impact health behavior change. It is also designed to assist students in demonstrating a basic knowledge of the principles involved in motivation and program adherence and retention.

XSCI 3450 - Exercise and Aging**Credits:** 3.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Exercise Science

This course addresses the contribution of human movement to the well-being and quality of life of aging populations. Principles, practice, and programs for seniors related to the concept of wellness and the myths, needs, and movement potential of aging persons are discussed. (3-0-3)

XSCI 3700 - Contemp Issues in Health**Credits:** 3.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Exercise Science

Scientific study of health education with emphasis placed on the application of health facts and principles that are related to a better life physically, mentally and socially for the student today. (3-0-3)

XSCI 3900 - Clinical Exercise Physiology**Credits:** 3.00**Lecture:** 2.00**College:** College of Nursing & Health Sc**Department:** Exercise Science

Advanced course in clinical exercise testing and prescription as it relates to disease of the cardiovascular, pulmonary, metabolic, musculoskeletal, neuromuscular, and immunologic systems. The course is designed to provide the student with a basic understanding of the pathophysiology and exercise response in these populations. ACSM certification guidelines emphasized. (2-3-3) Pre-requisite: HPER/XSCI 3260, minimum grade of C required.

Prerequisites:

(HPER 3260 Minimum Grade: C or XSCI 3260 Minimum Grade: C)

XSCI 3910 - Research Methods**Credits:** 3.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Exercise Science

An overview of study design and analysis, including thesis development, experimental control, causation, statistical analyses, and results interpretation. This course covers the skills needed for the design, conductance, and communication of research work, as well as for the critical evaluation and interpretation of existing literature in the sciences. (3-0-3) Prerequisites: Minimum grade of "C" in MATH 2204; Co-requisites: none.

Prerequisites:

(MATH 2204 Minimum Grade: C or MATH 1401 Minimum Grade: C)

XSCI 3920 - Neuromuscular Physiology**Credits:** 3.00**Lecture:** 3.00**College:** College of Nursing & Health Sc**Department:** Exercise Science

This course will assess the relationship between neuromuscular structure and function with a major focus on the understanding of the acute responses and chronic adaptations of skeletal muscle to physical activity, exercise, and specific types of training. Students will examine such topics as the biomechanical and morphological characteristics of skeletal muscles, fibers, neuromuscular regulation, bioenergetics of fatigue and muscle plasticity related to development, growth, and adaptation, and the impact on the aging process on neuromuscular HPER/XSCI 3260, minimum grade of C required.

Prerequisites:

(HPER 3260 Minimum Grade: C or XSCI 3260 Minimum Grade: C)

XSCI 4100 - Exercise Science Internship

Credits: 4.00

Lecture:

College: College of Nursing & Health Sc

Department: Exercise Science

The purpose of this course is to provide exercise science students with a full-time work experience in a professional setting under qualified clinicians, therapists, fitness directors, etc., for one academic semester. The student will work with a variety of populations while learning supervisory and leadership roles. Completion of the internship requires 165 accumulated hours of field experience per 4-credit section, for a total of 495 hours across the combined courses. Each course - XSCI 4100, 4110, and 4120 - counts for only 4 credit hours. All three courses must be taken to receive the full 12 semester-hours of internship credit. Pre-requisite: Senior class-standing, successful completion of XSCI 3260 with a grade of "C" or higher, completion of 15-hours 3000-level or above major courses at GSW, instructor approval, and academic advisor approval. Co-requisite: none (0-11-4)

Prerequisites:

(XSCI 3260 Minimum Grade: C)

XSCI 4110 - Exer Sci - Internship

Credits: 4.00

Lecture:

College: College of Nursing & Health Sc

Department: Exercise Science

The purpose of this course is to provide exercise students with a full-time work experience in a professional setting under qualified clinicians, therapists, fitness directors, etc., for one academic semester. The student will work with a variety of populations while learning supervisory and leadership roles. Completion of the internship requires 165 accumulated hours of field experience per 4-credit section, for a total of 495 hours across the combined courses. Each course - XSCI 4100, 4110, and 4120 - counts for only 4 credit hours. All three courses must be taken to receive the full 12 semester-hours of internship credit. Pre-requisite(s): Senior class-standing, successful completion of XSCI 3260 with a grade of "C" or higher, completion of 15 hours 3000-level or above major courses at GSW, instructor approval, and academic advisor approval. Co-requisite: none. (0-11-4).

Prerequisites:

(XSCI 3260 Minimum Grade: C)

XSCI 4120 - Exer Sci - Internship

Credits: 4.00

Lecture:

College: College of Nursing & Health Sc

Department: Exercise Science

The purpose of this course is to provide exercise students with a full-time work experience in a professional setting under qualified clinicians, therapists, fitness directors, etc., for one academic semester. The student will work with a variety of populations while learning supervisory and leadership roles. Completion of the internship requires 165 accumulated hours of field experience per 4-credit section, for a total of 495 hours across the combined courses. Each course - XSCI 4100, 4110, and 4120 - counts for only 4 credit hours. All three courses must be taken to receive the full 12 semester-hours of internship credit. Pre-requisite(s): Senior class-standing successful completion of XSCI 3260 with a grade of "C" or higher, completion of 15-hours 3000-level or above major courses of GSW, instructor approval, and academic advisor approval. Co-requisite: none. (0-11-4)

Prerequisites:

(XSCI 3260 Minimum Grade: C)

XSCI ADD - Exercise Physiology Lab

Credits: 0.00

Lecture:

College: College of Nursing & Health Sc

Department: Exercise Science

Overview of the physiological basis of human movement, including cardiorespiratory, neuromuscular, and bioenergetic systems. Examines the relationship of fundamental laws of physiology applied to human movement through laboratory demonstration and experiment. Pre-requisites: Minimum grade of "C" in BIOL 2030 and BIOL 2040. Co-requisites: Requires simultaneous enrollment in or previous successful completion of XSCI 3260 (0-2-1)

Prerequisites:

(BIOL 2030 Minimum Grade: C and BIOL 2040 Minimum Grade: C)