

## Accounting

### ACCT 2101 - Accounting Principles I

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Business Admin

**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:**

(MTH 108 Minimum Grade: C and MTH 109 Minimum Grade: C) or (MATH 1001 Minimum Grade: C or MATH 1101 Minimum Grade: C or MATH 1111 Minimum Grade: C or MATH 1111H Minimum Grade: C or MTH 110 Minimum Grade: C or MATH 1113 Minimum Grade: C or MATH 1113H Minimum Grade: C or MTH 113 Minimum Grade: C or MATH 1120 Minimum Grade: C)

### ACCT 2101H - Accounting Principles I-Honors

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Business Admin

**Department:** Accounting

See course description for ACCT 2101. This section is for students participating in the GSW Honors Program.

### ACCT 2102 - Accounting Principles II

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Business Admin

**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 2102H - Accounting Principles II-Honor

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Business Admin

**Department:** Accounting

See course description for ACCT 2101. This section is for students participating in the GSW Honors Program.

**Prerequisites:**

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

### ACCT 3250 - Intermediate Accounting I

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Business Admin

**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 3250H - Intermediate Accounting I Hnrs

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Business Admin

**Department:** Accounting

See course description for ACCT 3250. This section is for students participating in the GSW Honors Program.

**ACCT 3260 - Intermediate Accounting II****Credits:** 3.00**Lecture:** 3.00**College:** School of Business Admin**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:** School of Business Admin**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:** School of Business Admin**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 4210 - Accounting Systems****Credits:** 3.00**Lecture:** 3.00**College:** School of Business Admin**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:** School of Business Admin**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:** School of Business Admin**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:** School of Business Admin

**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:** School of Business Admin

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

**ACCT 4240H - Not-for-Profit Accounting Hnrs**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Business Admin

**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:** School of Business Admin

**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:** School of Business Admin

**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:** School of Business Admin

**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:** 3.00**College:** School of Business Admin**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. (0-0-3)

**Prerequisites:**

(ACCT 3250 Minimum Grade: C or ACT 310 Minimum Grade: C or ACCT 5250 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 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 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 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 1107 - Essentials of Biology I**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** Biology Department

Essentials of Biology 1. The first of a 2-semester sequence which provides a survey of the principles of modern biology. BIOL 1107 includes cell structure and function, cellular respiration and photosynthesis, gene structure and function, genetics, and evolution. The course satisfies Core Area D non-laboratory science option only, unless taken concurrently with BIOL 1107L, Essentials of Biology Laboratory. Taught Fall Semester and Spring Semester. (3-0-3)

**BIOL 1107H - Honors Essentials of Biology**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** Biology Department

A survey of the principles of modern biology including cell structure and function, respiration and photosynthesis, gene structure and function, genetics, evolution, diversity of living things, plant and animal systems, and ecology. This is for students participating in the GSW Honors Program. (3-0-3)

**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 1108 - Essentials of Biology II**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** Biology Department

Essentials of Biology 2. The second of a 2-semester sequence which provides a survey of the principles of modern biology. BIOL 1108 includes the diversity of living things, plants & animal systems, and ecology. The course satisfies Core Area D non-laboratory science option only, unless taken concurrently with BIOL 1108L, Essentials of Biology Laboratory. Taught Fall Semester and Spring Semester. (3-0-3)

**BIOL 1108H - Essentials for Biology II-Hnr****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Biology Department

The second in a two semester sequence which provides a survey of the principles of modern biology including cell structure and function, respiration and photosynthesis, gene structure and function, genetics, evolution, diversity of living things, plant and animal systems, and ecology. The courses satisfy Core Area D non-laboratory science option only, unless taken concurrently with BIOL 1108L, Essentials of Biology Laboratory. Taught Fall Semester and Spring Semester. This section is for students participating in the GSW Honors Program. (3-0-3)

**BIOL 1108L - Essentials of Biology II 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 1108. (0-2-1)

**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-Hnr****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

A two semester sequence designed to give pre-health professional students and biology majors the basic fundamentals of biological sciences. (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

A two semester sequence designed to give pre-health professional students and biology majors the basic fundamentals of biological sciences. This section is for students participating in the GSW Honors Program. (3-3-4)

**BIOL 2108 - Principles of Biology II**

**Credits:** 4.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** Biology Department

A two semester sequence designed to give pre-health professional students and biology majors the basic fundamentals of biological sciences. (3-3-4)

**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

A two semester sequence designed to give pre-health professional students and biology majors the basic fundamentals of biological sciences. This section is for students participating in the GSW Honors Program. (3-3-4)

**Prerequisites:**

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

**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 - Honors Adv Botany**

**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 or BIOL 2108H Minimum Grade: C) and (CHEM 1212 Minimum Grade: C or CHEM 1212H Minimum Grade: C) and CHEM 3301 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 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-Hnr**

**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 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-Hnr**

**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 of two hours of lab must be met. (1-0-1 or 0-2-1 or combinations for each credit hour registered)

**Prerequisites:**

(BIOL 2107 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 2010 - Microcomputer App in Business**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Business Admin

**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:** School of Business Admin

**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 - Leadership I:Perspect & Prac**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Business Admin

**Department:** Management

This course intends to develop leadership skills for students. The course will investigate several different perspectives of the process of leadership and being a leader. Students will be exposed to a select set of leadership approaches and how these approaches could be applied to real-world situations. Projects are aimed at increasing awareness and understanding of business leadership, business ethics, team building, and social responsibility. (3-0-3)

#### **BUSA 3021 - Leadership II: Perspect & Prac**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Business Admin

**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:** School of Business Admin

**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 1001 Minimum Grade: C or 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)

#### **BUSA 3060 - Quantitative Management**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Business Admin

**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:** School of Business Admin

**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:** School of Business Admin

**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:** School of Business Admin**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:** School of Business Admin**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:** School of Business Admin**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:** School of Business Admin**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 3900 - Prior Learning Portfolio****Credits:** 3.00**Lecture:****College:** School of Business Admin**Department:** General Business

This course is designed to evaluate knowledge that a student has gained through work, life, and learning experiences. A prior learning portfolio, a written record presented by the students documenting prior learning experiences, is used to assess prior learning. (0-V-3)

**BUSA 3901 - Prior Learning Portfolio****Credits:** 6.00**Lecture:****College:** School of Business Admin**Department:** General Business

This course is designed to evaluate knowledge that a student has gained through work, life and learning experiences. A prior learning portfolio, a written record presented by the students documenting prior learning experiences, is used to assess prior learning. (0-V-6)

**BUSA 3902 - Prior Learning Portfolio****Credits:** 9.00**Lecture:****College:** School of Business Admin**Department:** General Business

This course is designed to evaluate knowledge that a student has gained through work, life, and learning experiences. A prior learning portfolio, a written record presented by the students documenting prior learning experiences, is used to assess prior learning. (0-V-9)

**BUSA 3903 - Prior Learning Portfolio****Credits:** 12.00**Lecture:****College:** School of Business Admin**Department:** General Business

This course is designed to evaluate knowledge that a student has gained through work, life, and learning experiences. A prior learning portfolio, a written record presented by the students documenting prior learning experiences, is used to assess prior learning. (0-V-12)

**BUSA 3904 - Prior Learning Portfolio****Credits:** 15.00**Lecture:****College:** School of Business Admin**Department:** General Business

This course is designed to evaluate knowledge that a student has gained through work, life, and learning experiences. A prior learning portfolio, a written record presented by the students documenting prior learning experiences, is used to assess prior learning. (0-V-15)

**BUSA 3905 - Prior Learning Portfolio****Credits:** 18.00**Lecture:****College:** School of Business Admin**Department:** General Business

This course is designed to evaluate knowledge that a student has gained through work, life, and learning experiences. A prior learning portfolio, a written record presented by the students documenting prior learning experiences, is used to assess prior learning. (0-V-18)

**BUSA 3906 - Prior Learning Portfolio****Credits:** 21.00**Lecture:****College:** School of Business Admin**Department:** General Business

This course is designed to evaluate knowledge that a student has gained through work, life, and learning experiences. A prior learning portfolio, a written record presented by the students documenting prior learning experiences, is used to assess prior learning. (0-V-21)

**BUSA 4970 - Business Practicum****Credits:** 3.00**Lecture:****College:** School of Business Admin**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. (0-0-3) May not be enrolled in one of the following Class(es): Freshman.

**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

### **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)

**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 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 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 DepartmentSecond 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 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 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 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 Foreign 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 Foreign 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 Foreign 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 Foreign 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:** School of Comp and Mathematics**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:** School of Comp and Mathematics**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 2010 - Audio-Video Prod Technology I****Credits:** 3.00**Lecture:** 3.00**College:** School of Comp and Mathematics**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. Students are strongly advised to obtain computer skills before taking this class. (3-0-3)

**CIS 2020 - Audio-Video Production Tech II****Credits:** 3.00**Lecture:** 3.00**College:** School of Comp and Mathematics**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:** School of Comp and Mathematics

**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:** 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)

**Prerequisites:**

CSCI 1301

#### **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 3020 - Audio-Video Production Tech II**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Comp and Mathematics

**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. Students are strongly advised to obtain computer skills before taking this class. (3\_0\_3)

#### **CIS 3200 - Computer Network Management**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Comp and Mathematics

**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 3300 - Systems Anal Des-Implem I****Credits:** 3.00**Lecture:** 3.00**College:** School of Comp and Mathematics**Department:** Computer Science

This course provides the students with an introduction to technical and management issues in systems analysis and design. The course covers various issues such as the 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 other issues related to prototyping. (3-0-3)

**Prerequisites:**

CSCI 1301 or CSC 220

**CIS 3700 - Information Resource Mgmt****Credits:** 3.00**Lecture:** 3.00**College:** School of Comp and Mathematics**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 4200 - Computer Security****Credits:** 3.00**Lecture:****College:** School of Comp and Mathematics**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)

**Prerequisites:**

CSCI 2500 and CSCI 2920

**CIS 4310 - Information Sys Project Mgmt****Credits:** 3.00**Lecture:****College:** School of Comp and Mathematics**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

**CIS 4400 - Information Storage-Retrieval****Credits:** 3.00**Lecture:** 3.00**College:** School of Comp and Mathematics**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

**CIS 4900 - Special Problems in CIS****Credits:** 3.00**Lecture:** 3.00**College:** School of Comp and Mathematics**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

**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 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**Prerequisites:****CRJU 2100 - Intro to Law Enforcement****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Sociology**Prerequisites:****CRJU 2200 - The Judicial Process****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Sociology**Prerequisites:****CRJU 3100 - Criminal Law****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Sociology**Prerequisites:**

CRJU 1100 Minimum Grade: C

**CRJU 3110 - Criminal Procedure****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Sociology**Prerequisites:**

CRJU 1100 Minimum Grade: C

**CRJU 3200 - Criminology****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Sociology**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

**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

**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

**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

**Prerequisites:**

and CRJU 1100)

**CRJU 3501 - Criminal Investigations II**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** Sociology

**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.

**Prerequisites:**

CRJU 1100 Minimum Grade: C

**CRJU 3700 - Criminal Justice Methodology**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** Sociology

**Prerequisites:**

(CRJU 3200 Minimum Grade: C and ENGL 3000 Minimum Grade: C)

**CRJU 3710 - Special topics in Crim Justice**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** Sociology

**Prerequisites:**

CRJU 1100 Minimum Grade: C

**CRJU 3800 - Race, Ethnicity & Crim Just**

**Credits:** 3.00

**Lecture:**

**College:** College of Arts and Sciences

**Department:** Sociology

**Prerequisites:**

CRJU 1199

**CRJU 3810 - Victimology**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** Sociology

**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

**Prerequisites:**

**CRJU 4110 - The Law of Criminal Evidence**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** Sociology

**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

**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

**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**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**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**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**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**Prerequisites:**

CRJU 1100 Minimum Grade: C

**CRJU 4800 - Senior Capstone****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Sociology**Computer Science****CSCI 1301 - Introduction to Programming I****Credits:** 4.00**Lecture:** 3.00**College:** School of Comp and Mathematics**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. (4-0-4)

**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:** 4.00**Lecture:** 3.00**College:** School of Comp and Mathematics**Department:** Computer Science

This course is a continuation of the Introduction to Programming I class using the C#.NET programming language. Topics to be covered include arrays and collections, windows programming, event based programming, handling exceptions, and working with files and databases. (4-0-4)

**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:** School of Comp and Mathematics**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)

**CSCI 2500 - Discrete Structures****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 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 2920 - Ethics in the Comp Profession**

**Credits:** 1.00

**Lecture:** 1.00

**College:** School of Comp and Mathematics

**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. (1-0-1)

**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:** School of Comp and Mathematics

**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

**CSCI 3200 - UNIX**

**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. (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:** School of Comp and Mathematics

**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

**CSCI 3500 - Data Structures and Algorithms**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Comp and Mathematics

**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, and search and hashing techniques are discussed. Sorting and searching algorithms are analyzed for space and time complexities. (3-0-3)

or CSCI 1302H CSCI 1302 and CSCI 2500 or CSCI 1302H

**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 4100 - Computer Architecture**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Comp and Mathematics

**Department:** Computer Science

This course covers the basic concepts and design issues in the hardware design and computer systems. Block level design issues, data processing unit design, instruction set design, RISC vs. CISC issues, hardwired and microprogrammed control unit design, memory organization, the system bus structure, IO processors and DMA / Interrupts are also discussed. (3-0-3)

**Prerequisites:**

CSCI 3100 or CSC 360

**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:** 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. (3-0-3)

**Prerequisites:**

CSCI 3500 or CSC 310 or CSCI 3500H

**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:** School of Comp and Mathematics

**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)

**Corequisites:**

CSCI 3200

**Prerequisites:**

CSCI 4200 or CSC 421

**CSCI 4300 - Software Engineering**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Comp and Mathematics

**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

**CSCI 4310 - Object Oriented Programming**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Comp and Mathematics

**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)

**Prerequisites:**

CSCI 1302 or CSC 231

**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:** School of Comp and Mathematics

**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:** School of Comp and Mathematics**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 2500

**CSCI 4500 - Design-Analysis of Algorithms****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. (3-0-3)

**Prerequisites:**

CSCI 3500 or CSC 310

**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 4820 - Prin of Computer Graphics****Credits:** 3.00**Lecture:** 3.00**College:** School of Comp and Mathematics**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

**CSCI 4830 - Artificial Intelligence****Credits:** 3.00**Lecture:** 3.00**College:** School of Comp and Mathematics**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

**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:** School of Comp and Mathematics

**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:** School of Comp and Mathematics

**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:** School of Comp and Mathematics

**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:** 3.00

**Lecture:**

**College:** School of Comp and Mathematics

**Department:** Computer Science

This project oriented course is intended for students who are nearing the end of their B.S. Degree in Computer Science or Information Technology. The purpose of this course is to provide a complex examination and review of various ideas and issues across the broad areas of computer science via hands-on projects. Student will develop interpersonal and team-working skills in this course. (1-2-3) Prerequisite: The student must be in the senior status.

## Economics

**ECON 2105 - Principles of Macroeconomics**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Business Admin

**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 Abrd****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:** School of Business Admin**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:** School of Business Admin**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:** School of Business Admin**Department:** General Business

See course description for ECON 2106.

**ECON 3510 - Money and Banking****Credits:** 3.00**Lecture:** 3.00**College:** School of Business Admin**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)

## Early Childhood Education

### EDEC 3100 - Early Childhood Math

**Credits:** 3.00

**Lecture:** 2.00

**College:** School of Education

**Department:** Early Childhood 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 3400 - Teaching in EC Education

**Credits:** 3.00

**Lecture:** 2.00

**College:** School of Education

**Department:** Early Childhood 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 EC-HONORS

**Credits:** 3.00

**Lecture:** 2.00

**College:** School of Education

**Department:** Early Childhood 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 and Managing EC Classroom

**Credits:** 3.00

**Lecture:** 2.00

**College:** School of Education

**Department:** Early Childhood 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 EC Classroom Hnrs

**Credits:** 3.00

**Lecture:** 2.00

**College:** School of Education

**Department:** Early Childhood 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 and Self Expression**

**Credits:** 3.00

**Lecture:** 2.00

**College:** School of Education

**Department:** Early Childhood 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)

**Corequisites:**

EDEC 4970, EDEC 4980, EDEC 4990

**Prerequisites:**

#### **EDEC 3600H - Inquiry & Self Expression-Hnrs**

**Credits:** 3.00

**Lecture:** 2.00

**College:** School of Education

**Department:** Early Childhood 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 EC Curriculum**

**Credits:** 3.00

**Lecture:** 2.00

**College:** School of Education

**Department:** Early Childhood 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 EC Curriculum-Honor**

**Credits:** 3.00

**Lecture:** 2.00

**College:** School of Education

**Department:** Early Childhood 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 in EC Education**

**Credits:** 3.00

**Lecture:** 2.00

**College:** School of Education

**Department:** Early Childhood 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 EC Ed - Honors**

**Credits:** 3.00

**Lecture:** 2.00

**College:** School of Education

**Department:** Early Childhood 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 EC**

**Credits:** 3.00

**Lecture:** 2.00

**College:** School of Education

**Department:** Early Childhood 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 - Social Studies for EC - Honors**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Education

**Department:** Early Childhood 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 EC Ed**

**Credits:** 3.00

**Lecture:** 2.00

**College:** School of Education

**Department:** Early Childhood 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 - EC Opening School Experience**

**Credits:** 0.00

**Lecture:** 0.00

**College:** School of Education

**Department:** Education

**EDEC 4970 - Student Teaching EC**

**Credits:** 3.00

**Lecture:**

**College:** School of Education

**Department:** Early Childhood 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 EC**

**Credits:** 3.00

**Lecture:**

**College:** School of Education

**Department:** Early Childhood 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 EC**

**Credits:** 3.00

**Lecture:**

**College:** School of Education

**Department:** Early Childhood 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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 3040 - Introduction to Reading****Credits:** 3.00**Lecture:** 2.00**College:** School 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:** School 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:** School 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 Tchgr Intermediate Litera**

**Credits:** 3.00

**Lecture:**

**College:** School of Education

**Department:** Education

This course 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:** School 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:** School 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 - Engr Pedagogy Assess-Applica**

**Credits:** 5.00

**Lecture:** 3.00

**College:** School 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 - Engr Pedagogy Assess-App-Hnrs**

**Credits:** 5.00

**Lecture:** 3.00

**College:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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 - Teaching Individuals with Severe-Profound Disabilities****Credits:** 3.00**Lecture:** 2.00**College:** School 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 2990 - Professional Legal-Ethics of Special Education****Credits:** 1.00**Lecture:** 1.00**College:** School 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:** School 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-Honors****Credits:** 3.00**Lecture:** 2.00**College:** School 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 Strategies****Credits:** 3.00**Lecture:** 3.00**College:** School 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:** School 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 4110 - Nature of Intellectual Disabil****Credits:** 3.00**Lecture:** 2.00**College:** School 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:** School 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:** School of Education**Department:** Special Education

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

**Prerequisites:****EDSP 4510 - Assess of Learners w Disabil****Credits:** 3.00**Lecture:** 2.00**College:** School 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:** School 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. (2-3-3)

**Prerequisites:**



**EDSP 4550 - Assistive Technology****Credits:** 3.00**Lecture:** 3.00**College:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:**

## English

### ENGL 0999 - Paired Spt for English 1101

**Credits:** 1.00

**Lecture:** 0.00

**College:** College of Arts and Sciences

**Department:** English and Foreign 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 1101 - Composition I

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** English and Foreign 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 Foreign 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 Foreign 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 Foreign 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 2110H - World Literature-Honors**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** English and Foreign Languages

An Honors course survey of important works of world literature. This section is for students participating in GSW Honors Program. (3-0-3)

**Prerequisites:**

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

**ENGL 2111 - World Literature I**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** English and Foreign 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 2112 - World Literature II**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** English and Foreign 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 2120H - British Literature-Hnr**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** English and Foreign Languages

An honors course survey of important works of British literature. This section is for students participating in the GSW Honors Program. (3-0-3)

**ENGL 2121 - British Literature I**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** English and Foreign 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 2122 - British Literature II**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** English and Foreign 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 Foreign 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 2130H - American Literature-Hnr**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** English and Foreign Languages

An honors course survey of important works of American literature. This section is for students participating in the GSW Honors Program. (3-0-3)

**ENGL 2131 - American Literature I**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** English and Foreign 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 Foreign 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 2140H - Background for Lit - Honors**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** English and Foreign Languages

**ENGL 2150 - Research and Writing**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** English and Foreign 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 2200 - Intro to Professional Writing**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** English and Foreign 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 2210 - Issues in Tutoring Writing**

**Credits:** 2.00

**Lecture:** 2.00

**College:** College of Arts and Sciences

**Department:** English and Foreign Languages

A course in composition and the theories and method of tutoring writing. (2-0-2)

**Prerequisites:**

ENGL 1102 Minimum Grade: C

**ENGL 3010 - Literature for Young Adults**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** English and Foreign 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 Foreign Languages

**ENGL 3100 - Intro Literary Cultural Theory**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** English and Foreign 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 Foreign Languages

**ENGL 3220 - Adv Composition**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** English and Foreign 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 or ENG 102 Minimum Grade: C or ENGL 1102H Minimum Grade: C) and ENGL 2111 Minimum Grade: C

**ENGL 3220H - Adv Composition - Honors**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** English and Foreign 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 3230 - Creative Writing**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** English and Foreign Languages

A workshop course in writing of various literary genres including fiction, drama, and poetry among others. (3-0-3)

**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 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 or ENGL 2140 Minimum Grade: C) and ENGL 2111 Minimum Grade: C

**ENGL 3230H - Creative Writing - Honors**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** English and Foreign 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 Foreign 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 3340 - The Novel**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** English and Foreign Languages

The history, development, and characteristics of the novel as a literary genre; parallel novels and literary criticism. (3-0-3)

**Prerequisites:**

(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 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 or ENGL 2140 Minimum Grade: C)

**ENGL 3350 - The Short Story****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Foreign 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 3360 - Modern Prose****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Foreign Languages

This course examines modern fiction from the late nineteenth century and beyond. Novels and short stories will be covered; non-fiction prose may be included at the instructor's discretion. (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 3370 - Modern Poetry****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Foreign Languages

A study of some of the outstanding poets of the twentieth century and contemporary poets with emphasis on evaluation of their poetry. (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 3410 - Southern Literature****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Foreign 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 2130 Minimum Grade: C or ENGL 2130H Minimum Grade: C or ENGL 2131 Minimum Grade: C or ENGL 2132 Minimum Grade: C) and ENGL 2111 Minimum Grade: C

**ENGL 3420 - African-American Literature****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Foreign 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:**

(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 2140 Minimum Grade: C

**ENGL 3430 - World Survey Film Narrative**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** English and Foreign 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 Foreign 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 Foreign 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 2110 Minimum Grade: C or ENGL 2110H Minimum Grade: C or ENGL 2120 Minimum Grade: C or ENGL 2120H Minimum Grade: C or ENGL 2140 Minimum Grade: C or ENGL 2112 Minimum Grade: C or ENGL 2121 Minimum Grade: C or ENGL 2122 Minimum Grade: C) and ENGL 2111 Minimum Grade: C

**ENGL 3510 - Modern American Literature**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** English and Foreign 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 2130 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 3520 - Postmodern Contemp Am Lit****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Foreign 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 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 4025 - Composition Studies****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Foreign 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: Hist, Theo, & Ped****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Foreign Languages

A course that surveys histories and theories of rhetoric including rhetoric as a pedagogical tradition. Prerequisite: ENGL 3220, which may be taken concurrently. (3-0-3)

**Prerequisites:**

ENGL 3220 Minimum Grade: C

**ENGL 4040 - Issues in Professional Writing****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Foreign Languages

Focuses on the issues and scholarship concerning professional writing. Students will explore different techniques used in the profession to analyze and critique professional communications. They will also explore the scholarly discussion of both professional writing and the ethics concerning it. (3-0-3)

**Prerequisites:**

ENGL 2200 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 Foreign Languages**ENGL 4050 - Writing-Civic Engagement****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Foreign 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 4115 - Medieval English Literature****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Foreign 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 3211 Minimum Grade: C and (ENGL 2121 Minimum Grade: C or ENGL 2122 Minimum Grade: C)

**ENGL 4120 - Shakespeare****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Foreign 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 Foreign Languages**ENGL 4130 - English Drama to 1642****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Foreign 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 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 4135 - Renaissance English Literature****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** English and Foreign 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 Foreign 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 Foreign Languages

**ENGL 4150 - Romantic Movement in England**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** English and Foreign 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 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 4160 - Victorian Literature**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** English and Foreign 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 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 4200 - Colonial-Federalist Am Lit**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** English and Foreign 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 Foreign Languages

The Romantic era is explored, including anta bellum literature, abolitionist literature, and transcendental literature. (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 4210H - Romanticism in Amer Lit-Honors**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** English and Foreign Languages

**ENGL 4220 - Realism in American Literature**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** English and Foreign 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 4930 - Special Topics in Women's Lit**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** English and Foreign Languages

A seminar on a major author, or authors, movement, or theme in women's literature. (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 4940 - Special Topics in Lit-Lang**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** English and Foreign 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 Foreign Languages

Senior Capstone Seminar for majors in the final semester of study. Prerequisite: 12 hours of upper level English courses with a C or better; or, approval of department chair. (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)

**ENGL 4980 - INTERN IN PRWR**

**Credits:** 3.00

**Lecture:**

**College:** College of Arts and Sciences

**Department:** English and Foreign 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

## 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

**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**Electronic Technology-ECORE****ETEC 1101 - eCore Electric Tech in Ed Env****Credits:** 2.00**Lecture:** 2.00**College:** College of Arts and Sciences**Department:** Arts and Sciences

ONLINE This course uses personal computers to communicate with individuals and organizations and to access, store, and analyze information. Emphasis is on exploring the role of technology in present and future learning experiences. Topics include the digital divide, virtual communities, telecommuting, job search and readiness, e-commerce, globalization, privacy versus security, and intellectual property in cyberspace. Students will use their practical technology skills to create word-processed documents, and electronic presentation, and a web page.

(1-0-1) or (2-0-2)

**Prerequisites:****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 Foreign 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 Foreign 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 Foreign 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

**Geology****GEOL 1011K - eCore Intro Geosciences I & Lab****Credits:** 4.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Geology and Physics

ONLINE This course covers Earth materials and processes. The course has a laboratory component that requires a lab kit. (3-2-4)

**Prerequisites:****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 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

**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 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 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 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 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 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 - Historiography****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 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 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 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 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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 3300 - Principles of Strength-Cond**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School 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:** School 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:** School of Education

**Department:** Health & Human Performance

(3-0-3)

**HPER 3320 - Health Promotion**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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. (0-4-4)

**HPER 4110 - Exer Sci - Wellness Internship****Credits:** 4.00**Lecture:****College:** School 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. (0-4-4)

**HPER 4120 - Exer Sci - Wellness Internship****Credits:** 4.00**Lecture:****College:** School 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. (0-4-4)

### **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

### **INTL 2000 - Intercultural Studies Seminar**

**Credits:** 1.00 TO 3.00

**Lecture:** 1.00 TO 3.00

**College:** No College Designated

**Department:** Undeclared Department

### **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 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)

## 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)

## Library

### LIBR 1101 - FDNS of Information Literacy

**Credits:** 2.00

**Lecture:** 2.00

**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. (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 for academic success in all disciplines. Honors section (1-0-1)

## Learning Support

### LSPT 2000 - Tutor Training

**Credits:** 1.00

**Lecture:** 1.00

**College:** College of Arts and Sciences

**Department:** English and Foreign 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)

## Mathematics

### **MATH 0997 - Support-Quantitative Reasoning**

**Credits:** 1.00

**Lecture:** 1.00

**College:** School of Comp and Mathematics

**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 0998 - Support-Mathematical Modeling**

**Credits:** 1.00

**Lecture:** 1.00

**College:** School of Comp and Mathematics

**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 0999 - Support-College Algebra**

**Credits:** 1.00

**Lecture:** 1.00

**College:** School of Comp and Mathematics

**Department:** Learning Support Programs

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 1001 - Quantitative Reasoning**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Comp and Mathematics

**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:** School of Comp and Mathematics

**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:** School of Comp and Mathematics**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:** School of Comp and Mathematics**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:** School of Comp and Mathematics**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:** 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. (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:** 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. (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 - eCore Intro to Statistics****Credits:** 3.00**Lecture:** 3.00**College:** School of Comp and Mathematics**Department:** Mathematics

ONLINE A course in basic statistics. Topics include descriptive statistics, probability, distributions, hypothesis testing, inferences, correlation, and regression. (3-0-3)

**Prerequisites:**

(MATH 1101 or MATH 1001 or MATH 1101H or MATH 1111 or MATH 1111H or MATH 1113 or MATH 1113H or MTH 111 or MTH 113 or MATH 1120 or MATH 1120H or MATH 1501)

**MATH 1501 - eCore Calculus I****Credits:** 4.00**Lecture:** 4.00**College:** School of Comp and Mathematics**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) or (MATH 1111 Minimum Grade: C or MATH 1111H Minimum Grade: C and MATH 1112 Minimum Grade: C or MATH 1112H Minimum Grade: C)

**MATH 2008 - Fdns of Numbers & Operations****Credits:** 3.00**Lecture:** 3.00**College:** School of Comp and Mathematics**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

**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:** 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. (4-0-4)

**Prerequisites:**

MATH 1120 or MTH 112

**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:** 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, 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:** 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. (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:** School of Comp and Mathematics

**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:** School of Comp and Mathematics

**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 1120 or MTH 112 or MATH 1113 or MTH 110 or MATH 1111) or (MTH 108 and MTH 109)

**MATH 3003 - Probability&Stats for Teachers****Credits:** 3.00**Lecture:** 3.00**College:** School of Comp and Mathematics**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 1111 or MATH 1113 or MTH 110 or MTH 113

**MATH 3100 - Modern Geometry****Credits:** 3.00**Lecture:** 3.00**College:** School of Comp and Mathematics**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:** School of Comp and Mathematics**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:** 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. (3-0-3)

**Prerequisites:**

(MATH 2222 or MTH 211) and (MATH 2223 or MTH 312)

**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:** School of Comp and Mathematics**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:** School of Comp and Mathematics

**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:** School of Comp and Mathematics

**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:** School of Comp and Mathematics

**Department:** Mathematics

Teaches the art of mathematical modeling and the techniques of validation in deterministic and stochastic settings. (3-0-3)

**Prerequisites:**

(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:** School of Comp and Mathematics

**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:** School of Comp and Mathematics

**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:** School of Comp and Mathematics

**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:** School of Comp and Mathematics**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:** 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. (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:** School of Comp and Mathematics

**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:** School of Comp and Mathematics

**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:** School of Comp and Mathematics

**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:** School of Comp and Mathematics

**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:** 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. (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:** School of Comp and Mathematics**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:** School of Comp and Mathematics**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:** School of Comp and Mathematics**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 3390 - Human Resources Law****Credits:** 3.00**Lecture:** 3.00**College:** School of Business Admin**Department:** Management

Human Resources Law is an upper-level management course intended for Human Resources majors and other students interest in personnel law. This course is intended to provide a solid understanding of employment law for human resources professionals. Extensive use will be made of case law in addition to discussion and readings. Students are expected to prepare and present cases, as well as discussing them with others in the class. (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 3600 - Principles of Management****Credits:** 3.00**Lecture:** 3.00**College:** School of Business Admin**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:** School of Business Admin

**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:** School of Business Admin

**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:** School of Business Admin

**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:** School of Business Admin

**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 3670 - Intro to Human Resource Mgt**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Business Admin

**Department:** Management

The course is intended as an overview of the field of human resource management. Emphasis will be placed on management responsibilities regarding the organization's human resources. (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)

**MGNT 3670S - Intro HR Mgmt -Study Abroad**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Business Admin

**Department:** 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)

**MGNT 3680 - Organizational Theory-Behav**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Business Admin

**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 3700 - Information System for Mgmt**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Business Admin

**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:** School of Business Admin

**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:** School of Business Admin

**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:** School of Business Admin

**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 4650 - Performance MGNT**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Business Admin

**Department:** Management

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)

**MGNT 4660 - Business Forecasting**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Business Admin

**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)

**MGNT 4670 - HR Staffing**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Business Admin

**Department:** Management

An overview of the personnel management function in organizations. It serves as an introductory course for the prospective personnel officer and as a survey of personnel responsibilities and activities for any manager with supervisory responsibilities. Taught fall term only. (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) and MGNT 3670 Minimum Grade: C

**MGNT 4680 - Compensation Management**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Business Admin

**Department:** Management

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 3600 Minimum Grade: C or MGT 312 Minimum Grade: C)

**MGNT 4690 - Labor Management Relations**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Business Admin

**Department:** Management

An analysis of the industrial relations problems between 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 MGT 312 Minimum Grade: C)

**MGNT 4790 - Current Issues in Human Resour**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Business Admin

**Department:** Management

This course is designed as a capstone course for students majoring in Human Resource Management and will be conducted as a seminar. Current issues in the HR arena will serve as the springboard for research and discussion. Students will have the opportunity to engage others in the field and the instructor in a collegial atmospheres designed to stimulate an appreciation and thorough understanding of the issues in the field. In addition, students will have an opportunity to engage in a project that allows them to apply learning from prior classes. Taught spring term only. (3-0-3) May not be in one of the following Class(es): Freshman.

**Prerequisites:**

(MGNT 4670 Minimum Grade: C or MGT 421 Minimum Grade: C)

**MKTG 3800 - Principles of Marketing****Credits:** 3.00**Lecture:** 3.00**College:** School of Business Admin**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:** School of Business Admin**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 3850 - Real Estate Principles****Credits:** 3.00**Lecture:** 3.00**College:** School of Business Admin**Department:** Marketing

An overview of ethics of practice, titles to and conveyancing of real estate, legal descriptions, law of agency, deeds, encumbrances and liens, distinctions between personal and real property, contracts, appraisal, finance and regulations, closing procedures, and real estate mathematics. Also includes federal, state and local laws relating to housing discrimination, housing credit discrimination, and community reinvestment. (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 4800 - Personal Selling****Credits:** 3.00**Lecture:** 3.00**College:** School of Business Admin**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:** School of Business Admin**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:** School of Business Admin**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 4850 - Marketing Channels**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Business Admin

**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:** School of Business Admin

**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:** School of Business Admin

**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:** School of Business Admin

**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 4910 - Marketing Research**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Business Admin

**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

**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:** Visual Arts

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 2303 - Intermediate Harmony**

**Credits:** 3.00

**Lecture:**

**College:** College of Arts and Sciences

**Department:** Visual Arts

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. Offered every four semesters. (0-3-3)

**Prerequisites:**

MUSC 1202

**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 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

**Prerequisites:**

MUSC 1201 Minimum Grade: C

**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 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 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 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 2002 - The Caregiving Journey****Credits:** 3.00**Lecture:** 3.00**College:** School of Nursing**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:** School of Nursing**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:** School of Nursing**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:** School of Nursing**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:** School of Nursing**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:** School of Nursing**Department:** Nursing

NURS 3003 is a foundation course in which basic physiological functioning of major biological system, adaptive responses, and deviations in normal function are studied. Application of the nursing process to maintain health and in response to selected discreptions, 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 nurse when carrying out interventions and/or skills are reviewed. Use of the nursing process and skills learned in this course are reinforced and expanded throughout the curriculum. (3-6-5). Pre-requisites: Must be accepted to the School of Nursing. Co-requisites: none. This course requires a lab component.

**NURS 3003L - Fundamentals of Nursing Lab****Credits:** 0.00**Lecture:****College:** School of Nursing**Department:** Nursing

(0-6-0)

**Corequisites:**

NURS 3003

**NURS 3004 - Cross Cultur/National Issue CG****Credits:** 3.00**Lecture:** 3.00**College:** School of Nursing**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:** School of Nursing

**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:** School of Nursing

**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 Hhrs**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Nursing

**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:** School of Nursing

**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:** School of Nursing

**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.

**Corequisites:**

NURS 3630

**Prerequisites:**

(NURS 3003 Minimum Grade: C and NURS 3005 Minimum Grade: C and NURS 3200 Minimum Grade: C)

**NURS 3100L - Nursing of Adults I Lab**

**Credits:** 0.00

**Lecture:**

**College:** School of Nursing

**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:** 3.00

**Lecture:** 3.00

**College:** School of Nursing

**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.

**Prerequisites:**

(NURS 3100 Minimum Grade: C)

**NURS 3130 - Mental Health Nursing**

**Credits:** 4.00

**Lecture:** 3.00

**College:** School of Nursing

**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 3130L - Mental Health Nursing Lab**

**Credits:** 0.00

**Lecture:**

**College:** School of Nursing

**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:** School of Nursing

**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 3630 Minimum Grade: C)

**NURS 3140H - Nurs of Childbearing Fam Hnrs****Credits:** 4.00**Lecture:** 3.00**College:** School of Nursing**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:** School of Nursing**Department:** Nursing

(0-3-0) Co-requisite: NURS 3140

**Corequisites:**

NURS 3140

**NURS 3145 - Pediatric Nursing Care****Credits:** 4.00**Lecture:** 3.00**College:** School of Nursing**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 3100 Minimum Grade: C and NURS 3630 Minimum Grade: C)

**NURS 3145H - Pediatric Nursing Care Honors****Credits:** 4.00**Lecture:** 3.00**College:** School of Nursing**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:** School of Nursing**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:** 4.00**Lecture:** 3.00**College:** School of Nursing**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) Prerequisites: Must be accepted to the School of Nursing. This course requires a lab component. Co-requisites: none

#### **NURS 3200L - Health Assessment Lab**

**Credits:** 0.00  
**Lecture:**  
**College:** School of Nursing  
**Department:** Nursing  
(0-3-0) Co-requisites: 3200  
**Corequisites:**  
NURS 3200

#### **NURS 3600S - Transcultural HealthCare-St Ab**

**Credits:** 3.00  
**Lecture:** 1.00  
**College:** School of Nursing  
**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:** School of Nursing  
**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  
**Prerequisites:**  
(NURS 3003 Minimum Grade: C and NURS 3005 Minimum Grade: C and NURS 3200 Minimum Grade: C)

#### **NURS 3850 - Gerontological Nursing for RNs**

**Credits:** 3.00  
**Lecture:** 3.00  
**College:** School of Nursing  
**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:** School of Nursing**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.

**NURS 4100 - Nursing of Adults II****Credits:** 6.00**Lecture:** 4.00**College:** School of Nursing**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 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:** School of Nursing**Department:** Nursing

(0-6-0) Co-requisite: NURS 4100

**Corequisites:**

NURS 4100

**NURS 4150 - Gerontological Nursing****Credits:** 3.00**Lecture:** 3.00**College:** School of Nursing**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. Co-requisites: None

**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 4400 - Community Health Nursing RN****Credits:** 5.00**Lecture:** 3.00**College:** School of Nursing**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: none. Co-requisites: none This course requires a lab component .

**NURS 4400L - Community Health Nurs Lab RN****Credits:** 0.00**Lecture:****College:** School of Nursing**Department:** Nursing

(0-3-0)

**Corequisites:**

NURS 4400

**Prerequisites:**

NURS 4100 Minimum Grade: C and NURS 4200 Minimum Grade: C and NURS 4630 Minimum Grade: C

**NURS 4410 - Community Health Nursing****Credits:** 4.00**Lecture:** 3.00**College:** School of Nursing**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: All 3xxx courses, NURS 4100, NURS 4150 and NURS 4810. Corequisites: None. This course requires a lab component.

**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:** School of Nursing**Department:** Nursing

(0-6-0)

**Corequisites:**

NURS 4410

**Prerequisites:**

(NURS 4100 Minimum Grade: C and NURS 4200 Minimum Grade: C and NURS 4630 Minimum Grade: C)

**NURS 4800 - Research in Nursing for RNs****Credits:** 3.00**Lecture:** 3.00**College:** School of Nursing**Department:** Nursing

An overview of basic research concepts and process. Critical analysis of published research and evaluation for applicability to nursing practice. (3-0-3) Prerequisites: none. Co-requisites: None.

**NURS 4810 - Evidence Based Practice Nurs.****Credits:** 3.00**Lecture:** 3.00**College:** School of Nursing**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. Corequisites: none

**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 3630 Minimum Grade: C)

**NURS 4850 - Transition to Practice****Credits:** 2.00**Lecture:** 2.00**College:** School of Nursing**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 4410, NURS 4905

**Prerequisites:**

(NURS 4100 Minimum Grade: C and NURS 4810 Minimum Grade: C)

**NURS 4900 - Practicum in Nursing for RNs****Credits:** 4.00**Lecture:** 1.00**College:** School of Nursing**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:** School of Nursing**Department:** Nursing

(0-9-0) Co-requisite: NURS 4900

**Corequisites:**

NURS 4900

**NURS 4905 - Practicum in Nursing****Credits:** 5.00**Lecture:** 12.00**College:** School of Nursing**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 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. (1-12-5)  
Pre-requisites: NURS 4100 and NURS 4810. Co-requisites: NURS 4010, NURS 4410 and NURS 4850.

**Corequisites:**

NURS 4010, NURS 4410, NURS 4850

**Prerequisites:**

(NURS 4100 Minimum Grade: C and NURS 4810 Minimum Grade: C)

**NURS 4905L - Practicum in Nursing Lab****Credits:** 0.00**Lecture:****College:** School of Nursing**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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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:** School 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 1700 - Fundamentals of Dance**

**Credits:** 1.00

**Lecture:**

**College:** School 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:** School 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:** School 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:** School 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)

**Professional Golf Course Mgmt****PGMT 2200 - Intro to Professional Golf Mgt****Credits:** 2.00**Lecture:** 1.00**College:** School of Business Admin**Department:** Management

This course will introduce students to various elements associated with the business of golf. The class will provide an overview of the operational aspects of a golf facility: including structure, staffing, tournaments, marketing, equipment, merchandising, and customer service. The terminology associated with the Rules of Golf will be introduced along with standard procedures for relief situations. Additionally, the class will provide an introduction into Introduction to the Game of Golf: including the terminology of teaching the basics of ball flight. (1-2-2)

**PGMT 3010 - Tournament Ops & Int Golf Inst****Credits:** 1.00**Lecture:** 1.00**College:** School of Business Admin**Department:** Management

This course will provide a look at Golf Handicapping and Marketing the Golf Course for everyday and tournament play. Out of class assignments will provide the students with experience in setting up and conducting golf tournaments. Golf Instructional Techniques emphasizing correctness of posture and motion through analysis will be presented. Students will have assignments to practice and improve their own golf motions using drills and swing analysis software. (1-0-1)

**Prerequisites:**

PGMT 2200 Minimum Grade: C

**PGMT 3020 - Game Mgmt, Golf Car Fleet Mgmt****Credits:** 1.00**Lecture:** 1.00**College:** School of Business Admin**Department:** Management

In this course, a detailed discussion of Golf Car Fleet Management as a primary revenue will be highlighted. Overviews of Turfgrass practices and procedures will be reviewed. Students will also be introduced to game management techniques employed by the best players at the highest levels. (1-0-1)

**Prerequisites:**

PGMT 3010 Minimum Grade: C

**PGMT 3030 - Fitting for Instruct, Adv Inst****Credits:** 1.00**Lecture:** 1.00**College:** School of Business Admin**Department:** Management

Three areas in the course to be discussed include: Fitting Equipment to Golfers For Instruction, Food and Beverage, and Advanced Instruction-Development Programs. Concepts and Practices in Food and Beverage operations will be reviewed. The Fitting of Instruction portion will combine Teaching the Game of Golf with Club Repair and Clubfitting. Assessment of physical ability in individuals along with various demographic populations will be discussed in regard to instruction. (1-0-1)

**Prerequisites:**

PGMT 3020 Minimum Grade: C

**PGMT 3040 - PGA of America Guidelines**

**Credits:** 2.00

**Lecture:** 2.00

**College:** School of Business Admin

**Department:** Management

This course will provide the student with the tools and information required to complete the PGA's Pre-Qualifying test which is required to enter the PGA's PGM Program for membership in the Association. Rules will be reviewed in depth along with the PGA of America's Constitution and the History of the PGA or America. Students will also participate in career building skills including job search, resume, and formal letter writing, and interviewing. (2-0-2)

**Prerequisites:**

PGMT 3030 Minimum Grade: C

**PGMT 4000 - PGM Internship - Year 1**

**Credits:** 1.00

**Lecture:**

**College:** School of Business Admin

**Department:** Management

Each internship will be a four month practical field based work experience at an approved golf facility or association. Students will work in a golf capacity under the direct supervision of a Class "A" PGA Professional. Internships will be divided into two separate 8 month experiences. Each semester will involve increased responsibilities and a higher level of knowledge than the previous term. (0-8-1)

**PGMT 4001 - PGM Internship Year 2**

**Credits:** 1.00

**Lecture:**

**College:** School of Business Admin

**Department:** Management

Each internship will be a four month practical field based work experience at an approved golf facility or association. Students will work in a golf capacity under the direct supervision of a Class "A" PGA Professional. Internships will be divided into two separate 8 month experiences. Each semester will involve increased responsibilities and a higher level of knowledge than the previous term. (0-8-1)

**PGMT 4002 - PGM Internship Year 3**

**Credits:** 1.00

**Lecture:**

**College:** School of Business Admin

**Department:** Management

Each internship will be a four month practical field based work experience at an approved golf facility or association. Students will work in a golf capacity under the direct supervision of a Class "A" PGA Professional. Internships will be divided into two separate 8 month experiences. Each semester will involve increased responsibilities and a higher level of knowledge than the previous term. (0-8-1)

## Philosophy- ECORE

**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 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 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 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 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 - Political Sci Research Methods****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** History

This course is an introduction to studying politics as a science. The course is designed to introduce students to political science research, prepare students to evaluate research critically, interpret social scientific research, and provide students with the requisite skills to initiate and conduct research. (3-0-3)

**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 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 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:** History

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 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 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 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 2000 - Interdiscip App in Caregiving**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** Psychology

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. This course seeks to educate current and potential professional caregivers to better meet the needs of the rapidly rising family and community caregiver populations. (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 2101 - 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 behavioral events influence bodily systems. Socio-psychological factors correlated with health problems and risks will also be covered.

**Prerequisites:**

PSYC 1101 Minimum Grade: D or PSY 101 Minimum Grade: D

**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. (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 3322 - Experimental Psychology**

**Credits:** 3.00

**Lecture:** 5.00

**College:** College of Arts and Sciences

**Department:** Psychology

**Prerequisites:**

PSYC 1101 Minimum Grade: D or PSYC 1101H Minimum Grade: C

**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 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 3377 - Psychology Applied to Law**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** Psychology

A survey of the areas in which psychological research is relevant to the legal system, the treatment of people with mental illness by the criminal justice system and a critique of psychological research in these areas.

**Prerequisites:**

PSYC 1101 or PSYC 1101H

**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 3800 - Forensic Psychology**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** Psychology

**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. (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 4404 - Industrial/Organizational Psyc**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** Psychology

A survey of psychological principles and practice related to personnel selection, training decisions, and design of the workplace. (3-0-3)

**Prerequisites:**

PSY 101 or PSYC 1101 or PSYC 1101H

**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 4418 - Affirming Diversity in Psych**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** Psychology

A survey course covering a number of diverse populations, focused on a general rubric for thinking about various groups and their treatment in health, education, and the workplace. Ethical and legal issues are included.

Prerequisite: PSYC 1101. (3-0-3)

**Prerequisites:**

PSYC 1101 or PSYC 1101H or PSY 101

**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 services agency. Designed to provide the student with practical exposure to relevant career fields. Must have permission of advisor and Department Chair. (0-0-6)

**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

**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

**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)

**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)

**Prerequisites:**

SOC 202 or SOCI 1101 or SOCI 1101H

**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 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

**Prerequisites:**

SOCI 1101 or SOC 202

**SOCI 4403 - Psychosocial Aspects of Addict**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** Psychology

This course includes a thorough consideration of genetic, biological, pharmacological, sociological, and psychological aspects of addiction to legal and illegal drugs. In addition to questions of causation, treatment, and prevention strategies are discussed and observed. Upper division standing required. May substitute PSYC 4403. (3-0-3)

**Prerequisites:**

PSYC 1101 or PSYC 1101H or PSY 101 or SOC 202 or SOCI 1101 or SOCI 1101H

**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)

**Prerequisites:**

SOCI 1101 or SOC 101

**SOCI 4417 - Women in Society****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Psychology

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)

**Prerequisites:**

SOC 202 or SOCI 1101 or SOCI 1101H

**SOCI 4420 - Development of Social Theory****Credits:** 3.00**Lecture:** 3.00**College:** College of Arts and Sciences**Department:** Psychology

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:** Psychology

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)

**Prerequisites:**

SOC 202 or SOCI 1101 or SOCI 1101H

**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.

**Prerequisites:**

SOCI 1101

**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.

**Prerequisites:**

SOCI 1101

**SOCI 4492 - Sociology Internships**

**Credits:** 3.00 TO 9.00

**Lecture:**

**College:** College of Arts and Sciences

**Department:** Psychology

Directed internships are available for qualified students. (See the Intern Program Coordinator for information) Must have permission of Department Chair. (0-0-6)

**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 Foreign 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 Foreign 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 Foreign 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 Foreign 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 Foreign 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 Foreign 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 2002S - Inter Spanish II -Study Abroad**

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** English and Foreign 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 Foreign 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 Foreign 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 Foreign 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 Foreign 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 Foreign 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 Foreign 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 Foreign 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 Foreign 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 Foreign 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 Foreign 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 Foreign 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 Foreign 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 Practicum**

**Credits:** 3.00

**Lecture:**

**College:** College of Arts and Sciences

**Department:** Theater, Comm, & Media Arts

(0-12-3)

**THEA 4112 - Video Production Practicum**

**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)

**Web-Based Information Tech****WBIT 1100 - Intro to Inf Technology****Credits:** 3.00**Lecture:** 3.00**College:** School of Comp and Mathematics**Department:** Computer Science

This course is an introductory course in information technology. Topics include foundations in hardware, software, data and an overview of the use of information technology in organizations. Topics include structured programming techniques, systems development, database design and networking, with an emphasis on appropriate business ethics, interpersonal skills and team building. Prerequisite: None (3-0-3).

**WBIT 1310 - Programming & Probl Solving****Credits:** 3.00**Lecture:** 3.00**College:** School of Comp and Mathematics**Department:** Computer Science

This course helps students to develop basic problem-solving skills using the Java programming language. Students are introduced to fundamentals of Java Programming language with emphasis on primitive data types, control structures, methods, arrays, classes, objects, abstraction, inheritance and polymorphism. Students learn basic techniques of good programming style, design, coding, debugging, and documentation. Students are able to create programs to solve basic practical problems. Prerequisite: C or better in Area A mathematics course and in WBIT 1100, Intro to Information Technology. (3-0-3).

**Prerequisites:**

WBIT 1100

**WBIT 2000 - The Enterprise and IT**

**Credits:** 3.00

**Lecture:**

**College:** School of Comp and Mathematics

**Department:** Computer Science

This course will look at the structure and management of an information technology infrastructure. From the management aspect the course will touch on principles and practices of managing both people and technology to support an organization. The course will emphasize how to make an information technology infrastructure effective, efficient, and productive. The management of hardware, software, data, networks and other supporting IT functions will be studied. Prerequisites: Prior or concurrent enrollment with a minimum grade of "C" in WBIT 1100. (3-0-3).

**WBIT 2300 - Discrete Math for IT**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Comp and Mathematics

**Department:** Computer Science

Discrete (as opposed to continuous) mathematics is of direct importance to the fields of Computer Science and Information Technology. This branch of mathematics includes studying areas such as set theory, logic, relations, graph theory, and analysis of algorithms. This course is intended to provide students with an understanding of these areas and their use in the fields of Computer Science and Information Technology. Prerequisites: Pre-calculus, Survey of Calculus, Finite Mathematics, or equivalent. (3-0-3)

**Prerequisites:**

MATH 1111 or MATH 1232 or MATH 1441 or MATH 1113

**WBIT 2311 - Programming & Probl Solving II**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Comp and Mathematics

**Department:** Computer Science

The emphasis of this course is on advanced programming techniques in Java including GUI's, software reuse through component libraries, recursion, event-driven programming, database processing, file processing, and exception handling. Students are able to create event-driven, graphical programs or text-based programs solving practical problems incorporating databases and external files. Prerequisite: WBIT 1310. (3-0-3)

**Prerequisites:**

WBIT 1310

**WBIT 3010 - Technical Communication**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Comp and Mathematics

**Department:** Computer Information

This course covers workplace communication at the intermediate level. Topics include audience analysis, research proposal and report writing, document and visual design, editing and presentation design. Prerequisites: A minimum grade of "C" in ENGL 1102 or ENGL 1160. (3-0-3).

**Prerequisites:**

ENGL 1102

**WBIT 3110 - Systems Analysis and Design**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Comp and Mathematics

**Department:** Computer Science



This course introduces the fundamental principles of the design and analysis of IT applications. In this course, students will learn to apply the tools and techniques commonly used by systems analysts to build and document IT applications. Classical and structured tools for describing data flow, data structure, process flow, file design, input and output design, and program specification will be studied, as will object-oriented techniques. Prerequisites: WBIT 1310 Programming and Problem Solving I, WBIT 2000 The Enterprise and IT. (3-0-3).

**Prerequisites:**

WBIT 1310 and WBIT 2000

**WBIT 3111 - Information Tech Project Mgmt**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Comp and Mathematics

**Department:** Computer Science

Project management techniques and tools as applied to information systems projects resource and personnel management and allocation, product testing, scheduling, and project management software. Students will study examples of both successful and unsuccessful projects and apply lessons learned to a class project.

Prerequisites: A minimum grade of C in WBIT 1310 and STAT 3010. (3-0-3).

**Prerequisites:**

WBIT 3110 and MATH 2204

**WBIT 3200 - Database Des, Dev & Deployment**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Comp and Mathematics

**Department:** Computer Science

This is an advanced course in database design, development and deployment. Course emphasizes database design drawing distinctions between data modeling and process modeling using various modeling techniques including Entity- Relationship Modeling, Object Modeling and Data Flow Diagramming; database development using the relational model, normalization, and SQL; database deployment including control mechanisms, forms, reports, menus and web interfaces. Additional topics include procedures, functions, packages and triggers. Students will design, create and process a database to demonstrate competency in the course content.

Prerequisites: Prior or concurrent enrollment with a minimum grade of "C" in WBIT 2311. (3-0-3).

**Prerequisites:**

WBIT 2311

**WBIT 3400 - Introduction to Digital Media**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Comp and Mathematics

**Department:** Computer Science

This course covers the basic design principles and tools for creating and editing digital media elements. Examples of these elements include graphics, animation, audio, video, virtual space and simulation.

Prerequisites: WBIT 1100 Introduction to Information Technology. (3-0-3).

**Prerequisites:**

WBIT 1100

**WBIT 3410 - Web Application Development**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Comp and Mathematics

**Department:** Computer Science

The course provides a survey of techniques and tools for developing basic web pages for delivery of text and graphic information; focus on page markup languages, client-side scripting, page design principles, page layout techniques, markup language syntax, and page styling methods. Prerequisites: WBIT 1310 Programming & Problem Solving I. (3-0-3).

**Prerequisites:**

WBIT 1310

**WBIT 3500 - Architecture and Operating Sys**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Comp and Mathematics

**Department:** Computer Science

This course introduces students to the architectures of computer systems and the operating systems that run on them. It explores and gives experience with some common computer designs and operating systems. Topics include basic computer architecture, instruction set architecture, memory management, processes, and file systems. Prerequisites: WBIT 1310 Programming & Problem Solving I. (3-0-3).

**Prerequisites:**

WBIT 1310

**WBIT 3510 - Data Comm and Networking**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Comp and Mathematics

**Department:** Computer Science

This course covers computer network and communications concepts, principles, components, and practices; coverage of common networking standards, topologies, architectures, and protocols; design and operational issues surrounding network planning, configuration, monitoring, troubleshooting, and management. Prerequisites: WBIT Architecture and Operating Systems. (3-0-3).

**Prerequisites:**

WBIT 3500

**WBIT 3600 - Introduction to E-Commerce**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Comp and Mathematics

**Department:** Computer Science

The emphasis of this course is on basic principles and practices of Ebusiness and Ecommerce. Topics include infrastructures and applications of Ecommerce, E-Tailing, E-Marketing, advertisement, B2B, B2C, C2C, E-Government, M-Commerce, E-Learning, electronic payment systems, security, and legal issues. Students also learn to build simple dynamic E-commerce sites using server-side scripting. Prerequisites: WBIT 3110 System Analysis & Design, WBIT 3410 Web Applications Development. (3-0-3).

**Prerequisites:**

WBIT 3410 and WBIT 3110

**WBIT 4020 - Prof Practices and Ethics**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Comp and Mathematics

**Department:** Computer Science

This course covers historical, social, economic and legal considerations of information technology. It includes studies of professional codes of ethical conduct, philosophy of ethics, risk analysis, liability, responsibility, security, privacy, intellectual property, the internet and various laws that affect an information technology infrastructure. Prerequisites: Senior Standing. (3-0-3).

**WBIT 4030 - Senior Project**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Comp and Mathematics

**Department:** Computer Science

A capstone course for WebBSIT majors, students will be expected to complete a final team or individual project. The project may be an approved industry, internship or a project developed and designed by faculty of the WebBSIT. Students will apply skills and knowledge from previous WebBSIT courses in project management, system design and development, digital media development, eCommerce, database design, and system integration. Prerequisites: Senior Standing and Advisor Approval. (3-0-3).

**WBIT 4112 - Sys Acquisition, Integr & Impl**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Comp and Mathematics

**Department:** Computer Science

Most IT applications used by organizations are configured from components that have been purchased from third-party vendors. This includes both hardware components and, increasingly, software components. In this course, students will study the component acquisition process, and methods and techniques for integrating these components into an existing IT infrastructure. Prerequisites: WBIT 4520 Information Security, WBIT 3200 Database Design and Development, WBIT 3110 System Analysis and Design. (3-0-3).

**Prerequisites:**

WBIT 4520 and WBIT 3110 and WBIT 3200

**WBIT 4120 - Human Computer Interaction**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Comp and Mathematics

**Department:** Computer Science

The emphasis of this course is on fundamentals of human- machine interfaces, both cognitive and physical. Learning styles and effects of short-term memory on cognition and reaction will affect hardware and software development. Students will design a prototype interface. Prerequisites WBIT 2311 Programming & Problem Solving, WBIT 3400 Introduction to Digital Media. (3-0-3).

**Prerequisites:**

WBIT 2311 and WBIT 3400

**WBIT 4520 - Info Assurance & Security**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Comp and Mathematics

**Department:** Computer Science

This course is an introduction to information assurance and security in computing. Topics include, computer, network (distributed) system and cyber security, digital assets protection, data backup and disaster recovery, encryption, cryptography, computer virus, firewalls, terrorism and cyber crimes, legal, ethical and professional issues, risk management, information security design, implementation and maintenance. Prerequisites: WBIT 3500 Architecture and Operating Systems, Pre or Co-requisite: WBIT 3510 Data Communication and Networking. (3-0-3).

**Prerequisites:**

WBIT 3500 and WBIT 3510

**WBIT 4601 - Customer Relationship Mgmt**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Comp and Mathematics

**Department:** Computer Science

The use of IT applications has allowed many organizations to collect large amounts of data on their clients and to use such data to improve the relationships with their customers. In this course, students will study customer relationship management systems, including the reasons for their emergence, the functionalities that they provide and the issues one would have to face to successfully introduce a Customer Relationship Management System into an organization. Prerequisites: WBIT 3600 Introduction to E-Commerce, WBIT 3200 Database Design & Development. (3-0-3).

**Prerequisites:**

WBIT 3600 and WBIT 3200

**WBIT 4602 - IT Seminar**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Comp and Mathematics

**Department:** Computer Science

Student will participate in research and discussion on a topic of current interest. A term paper on the topic (or related subtopic) is required. A designated faculty member will select the topic in advance based on his/her expertise and lead the seminar. Prerequisites: WBIT 3111 IT Project Management, WBIT 3600 Introduction to E-Commerce, WBIT 3200 Database Design, Development and Deployment, WBIT 4120 Human Computer Interaction. (3-0-3).

**Prerequisites:**

WBIT 3200 and WBIT 4120

**WBIT 4610 - IT Policy and Law**

**Credits:** 3.00

**Lecture:** 3.00

**College:** School of Comp and Mathematics

**Department:** Computer Science

This course will focus on the legal implications of conducting business in the information technology age. Topics will include current understanding of Internet contracts, copyright, trademark and patent law. Further, this course will examine cutting-edge cases relating to security, e-commerce, and emerging ethical issues and trends.

Prerequisites: WBIT 3600 Introduction to E-Commerce. (3-0-3).

**Prerequisites:**

WBIT 3600

## Women, Gender, & Sexuality

### WGSS 2001 - Int Women, Gender, & Sexuality

**Credits:** 3.00

**Lecture:** 3.00

**College:** College of Arts and Sciences

**Department:** Undeclared Department

### 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

## Women's Studies

### WMST 2001 - Intro to Women's Studies

**Credits:** 3.00

**Lecture:**

**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 and historical creation of gender constructs. (3-0-3)

### 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)