CSCI 2100 - ASSEMBLY LANGUAGE PROGRAMMING ON-LINE
Fall Semester, 2012

Instructor: Mr. Royce Hackett
Office: Morgan Hall Room 103 (Not in Crawford Wheatley Hall!)
Office Phone: 229-931-2641
Office Hours: By appointment only
E-mail: Please use the email in GeorgiaVIEW
Class Hours: ONLINE

Textbook and Material Required:
- You will need high speed Internet Access. This course will utilize web streaming.

Course Description:
This course discusses the basic computer organization of the microcomputer and its assembly programming language. Binary representation, assembly fundamentals, Microsoft Macro assembler, DEBUG, I/O services, numeric processing and conversion, subprograms, stacks, shift operations, arrays, and string processing will be covered.

This class will utilize GeorgiaVIEW for the delivery of course material. Please see the material found under “Student Orientation” on the GeorgiaVIEW log in page (located at [http://gsw.edu/GeorgiaVIEW/GaVIEW](http://gsw.edu/GeorgiaVIEW/GaVIEW)) for information on navigating and utilizing GeorgiaVIEW.
The GeorgiaVIEW log-in page can be accessed from the main GSW web page:

Or you can go to http://gsw.edu/GeorgiaVIEW/GaVIEW.

Your username is the first part of your RADAR e-mail address (everything before the @ sign). Your password is initially the same as your RAIN PIN number (your 6 digit birthday). If you do not know your RADAR e-mail address, please go to the campus directory (http://gsw.edu/Directories) and search the student directory using your last name. If you need login help please contact GSW GeorgiaVIEW Help at gaview@gsw.edu or call 229-931-2969 during business hours. NOTE: GSW GeorgiaVIEW Help is available ONLY Monday through Friday during REGULAR business hours.

There is 24x7 support for GeorgiaVIEW via the Online Support Center. The Center is designed to answer all of your questions online with a self-service type model. It can be accessed anytime from anywhere. If need be, technicians are on stand-by to help with any problems via chat or phone. The link to the Online Support Center is … http://help8.view.usg.edu/ics/support/default.asp?deptID=8075

All course notes, lecture materials, reading assignments, assignment hints and helps, syllabus for tests, and other materials will be posted in GeorgiaVIEW. The material will be displayed chapter by chapter. Follow any instructions you see posted
there. Click on the appropriate “Chapter” link to see the material posted for that chapter. Assignments, tests, quizzes and other material will also be posted in GeorgiaVIEW.

As soon as you log in to the course, please send me an email stating that you have successfully logged in and that you have read and understand the syllabus. (THIS IS MANDATORY!)

You are required to keep up with the material in the GeorgiaVIEW Chapter Modules. The material that is covered in the exams will be explained in the notes posted in these modules. This is the material that you need to “know and learn”. I will work very hard to provide you with the information that you need to be successful in this class. The material covered by this class is accumulative and it is very easy to get behind. Please make a strong effort to stay “caught up” with the material being covered. This will “help me to help you” be successful in this class. You will be responsible for the material covered by the posted reading assignments and the notes posted in GeorgiaVIEW. The notes posted in the Chapter Modules explain the material from the reading assignments and will not be “outside” material. I advise you to pay close attention to these notes. I advise checking GeorgiaVIEW at least every other day to receive tips, hints, course material, and to check your email. I will use the email in GeorgiaVIEW to communicate with you. The email icon in GeorgiaVIEW will be highlighted when you have new messages. I will use the e-mail to alert you to important information concerning the class.
I will track your usage of GeorgiaVIEW and use it to determine your “class participation”. If you have questions concerning the material you can contact me by email in GeorgiaVIEW. This course will use the email in GeorgiaVIEW for all email correspondence pertaining to this class. Please do not use your personal email or my work email (royce.hackett@gsu.edu) unless GeorgiaVIEW is “down” or there is another type of urgent situation where you don’t have access to GeorgiaVIEW. You can also call me at (229) 931-2641. If I am not “in”, feel free to leave a message. If you leave a message please leave a number so I can return your call. You may also schedule a meeting with me by appointment.

TENTATIVE COURSE OUTLINE:

Week 1: Chapter One … Basic Concepts
Week 2: Chapter One … Basic Concepts
Week 3: Chapter One … Basic Concepts
Week 4: Chapter Two … x86 Processor Architecture
Week 5: Chapter Two … x86 Processor Architecture
Week 6: Chapter Three … Basic Elements of Assembly Language
Week 7: Chapter Three … Basic Elements of Assembly Language
Week 8: Chapter Four … Data Transfer Instructions
Week 9: Chapter Four … Data Transfer Instructions
Week 10: Chapter Five … Procedures
Week 11: Chapter Five … Procedures
Week 12: Chapter Six … Conditional Processing
Week 13: Chapter Six … Conditional Processing
Week 14: Chapter Seven … Integer Arithmetic
Week 15: Chapter Seven … Integer Arithmetic

GRADING:

A  90-100
B  80-89
C  70-79
D  60-69
F  Below 60
Your grade will be calculated as follows:

Assignments: 20%
Quizzes 15%
Test One: 15%
Test Two: 15%
Test Three: 15%
Final Exam: 20%

ASSIGNMENTS:

In order to develop proficiency in any type of software, a considerable amount of practice must be applied. Assignments will be given regularly to provide this practice. All assignments must be turned in on time. Assignments that are late will be reduced in score by 10 points per day. No assignments will be accepted more than seven days late. Assignments are due before midnight (i.e 11:59 pm) on the due date. Assignments handed in after the deadline will be considered to be late. All Programming assignments will be submitted through GeorgiaVIEW. You will receive instructions on how to zip and submit your assignments at the appropriate time.

There will be seven assignments. The average of these assignments will constitute 20% of your grade.

The assignment due dates will be posted in GeorgiaVIEW.

There will be three tests (plus a final). These tests will be in Crawford Wheatley Hall, room 221. If you cannot make the scheduled test date you MUST make arrangements with me to take the test at another time. Your rescheduled time MUST be during the same week as the originally scheduled test. If you CANNOT come to campus then you will have to make other arrangements with me in ADVANCE. It is YOUR responsibility to make arrangements with me for you to take the test. I will be able to accommodate you, but you must reach out to me so we can figure when and where you can take the test. If you cannot meet this requirement then I need to know the first week of class. Other arrangements MUST be made in advance.

Each test will count for 15% of your grade. These tests will be held according to the following schedule:

Test 1, September 10, 2012 - 11:00 am to 12:15 pm (Crawford Wheatley Hall, Room 221) NOTE: If you cannot take Test 1 at this time you MUST schedule it with me between September 10 and September 13.

Test 2, October 9, 2012 - 11:00 am to 12:15 pm (Crawford Wheatley Hall, Room 221) NOTE: If you cannot take Test 2 at this time you MUST schedule it on October 5, October 8th, or October 9th because midterm grades are due on the 10th.
Test 3, October 29, 2012 - 11:00 am to 12:15 pm (Crawford Wheatley Hall, Room 221)
NOTE: If you cannot take Test 3 at this time you MUST schedule it with me between October 29 and November 1.

There will be a final exam. This exam will count for 20% of your grade.

FINAL EXAM, December 3 2012 – 1:00 pm to 3:00 pm (Crawford Wheatley Hall, Room 221). NOTE: If you cannot take the final exam at this time you MUST schedule it with me between December 2 and December 6.

NOTE: The final exam is December 3 2012 - 1 pm to 3:00 pm !!!!!!

MAKE-UP WORK: Any make-up work must be approved in advance by the instructor.

A student requesting classroom accommodations or modifications due to a documented disability must notify me within the first two weeks of the semester. If the student has not already done so, he or she must contact the Office of Student Support Services located in room 304 of Sanford Hall. The phone number is 229-931-2294

CHEATING POLICY:
Students at Georgia Southwestern State University are expected to conform to high standards of intellectual and academic integrity. Each Student at Georgia Southwestern State University is preparing for a job in a very competitive job market and is paying for this education. Obviously, everyone wishes to get their money's worth, however, if a student decides to cheat himself by cheating on a test or assignment then the following procedure will be followed:

On the first instance, the student will be referred to the Dean of School of Computer and Information Science for immediate action. The student may receive a Zero on the assignment or test, "F" in the course and/or be expelled from the University.

NOTE: Copying information from another student's disk, without permission of the instructor, is considered cheating and is punishable by the above procedure. While collaboration and cooperation between students is encouraged for studying and learning, every student is expected to do their own work on the tests and assignments!

GSW Academic Integrity Policy:
Dishonest work will be treated as a serious offense by the faculty and administration of Georgia Southwestern. Multiple infractions may be cause for permanent expulsion from the University. An instructor who receives dishonest work from a student has several options. At a minimum, the work should be rejected as a basis for academic credit. At the discretion of the instructor, the student may be given a score of zero on the assignment in question, may be required to rewrite the assignment, may be given a grade of F in the course, may not be recommended for admission to Teacher Education or the Nursing programs, or may be penalized in some intermediate way. If a violation occurs before the last day to withdraw without penalty for the term, students in a course where the
instructor's policy calls for a grade of F as the final grade will receive a grade of F for the class regardless of whether they attempt to withdraw.

GeorgiaVIEW Maintenance

GeorgiaVIEW undergoes scheduled maintenance every other weekend, during which the GeorgiaVIEW service is temporarily unavailable. This routine, periodic maintenance is essential to keep GeorgiaVIEW operating smoothly. Students should plan to complete work BEFORE the maintenance begins. GeorgiaVIEW is usually returned to service several hours after maintenance begins. However, the entire window is always reserved in case of complications or if additional work is necessary.

IMPORTANT - For changes to the maintenance schedule and other additional maintenance information please read your GeorgiaVIEW announcements and check the “Maintenance Schedule” link on the GeorgiaVIEW log in page.
Welcome to GeorgiaVIEW@GSW

Click here to log in to GeorgiaVIEW

A reminder for students: Please note that there is a delay of 24 - 48 hours from the day a student registers for a class to the day the student actually has access to the class in GeorgiaVIEW.

Need login help?
Please contact the GSW GeorgiaVIEW Help at georgiaview@gsu.edu. Note that the GeorgiaVIEW Help is available Monday through Friday during business hours.

What is my username and password?
- Your username is the first part of your RAUSM e-mail address (everything before the @ sign)
- Your password is initially the same as your RAUSM number
- Your password should be at least six characters
- If you do not know your RAUSM e-mail address, please go to the campus directory and search the student directory using your last name

Click on the (Setup) link to learn how to configure your PC to use GeorgiaVIEW