**ISC 560 – Info Systems Analysis-Design (section 751 - blended)**

**Spring 2012**

**Thursday 4:30 - 5:15 Shelby Hall 3304**

*Instructor:*       David Feinstein

*Phone:*             460-6693

*Office:*              FCW 12

*Office* *Hours*:  MWF 11:00 - 12:00, TH 3:15 – 4:15, by appointment. I maintain an open door policy. Come by anytime I am in my office

*Email:*             dfeinstein@southalabama.edu

*Course Description*: From the USA Undergraduate/Graduate Bulletin: "This course will include an introduction to the systems development life cycle as well as a survey of analysis and design techniques. Detail topics will include information systems planning and project identification and selection, requirements collection and structuring, process modeling, data modeling, design of interface and data management, system implementation and operation, system maintenance, and change management implications of systems. Globalization issues in systems will also be discussed. Students will use current methods and tools such as rapid application development, prototyping, and visual development. Prerequisite: Graduate Professional Component." 3 credit hours

*Textbook:* Applying UML and Patterns, 3rd Edition
Craig Larman,  Pearson/Prentice Hall, 2005, ISBN 0-13-148906-2

*Course Objectives:* After completing this course a student will be able to:

         Describe the system development process using various methodologies such as the Unified Process (UP) and the ICONIX methodology.

         Utilize an iterative, incremental, architecture-centric, user-based object-oriented analysis and design (OOAD) methodology to efficiently create effective software.

         Utilize the tools and techniques associated with object-oriented analysis and design and compare them with the traditional approaches to systems analysis and design.

         Use visual modeling software and the Unified Modeling Language (UML) as a modeling standard to structure, organize, and enhance your work in OOAD.

         Incorporate a layered architectural viewpoint into the system design including user interface design and database design

         Be able to incorporate creativity into the OOAD process.

*Course Activities:*

**NOTE: All scheduling information on this syllabus is tentative and subject to change.**

| **Class Meeting Date** | **Activity/Course Material** |
| --- | --- |
| January 17 | First day of this class |
| February 12 | Mardi Gras Holiday – no classes |
| **March 7 Wednesday** | **Midterm Exam** |
| March 11 – 17 | Spring Break – no classes |
| March 18 - 29 | Advising |
| April 5, 4:59 pm | Last day to drop a class (WD) |
|  May 3 Wednesday | Last day of this class |
| May 12 Saturday | Commencement |
| May 6 - 9

|  |  |
| --- | --- |
|  |  |

 | **Final Exams** |

***The Midterm Exam and Final Exam are REQUIRED IN-CLASS MEETINGS.***

***A blended course could reduce the amount of traditional in-class seat time by 5% to 75% using online learning tools.  If a scheduled class meeting is deemed optional, I will inform the class at least 24 hours before the beginning of class the day before class using the USAONLINE system.  Unless you see that I have declared a class meeting as optional you should plan on attending all scheduled classes.***

*Procedures for Assessing Student Performance/Grading Criteria:*

Midterm Exam                               30%

Final Exam - Comprehensive         40%

Projects – requirements given later 30%

**Total                                            100%**

*Grades will be assigned based on your final average of the above criteria using the following scale:*

A = 90-100%

B = 80-89.9%

C = 70-79.9%

D = 60-69.9%

F = <60%.

NOTE: This class is part of the ISC Masters Degree CORE and must be completed with a grade or B or higher.

*Attendance Policy:* Since the only required class meeting are the two examination dates, no attendance will be take.  However, I can see on the USAONLINE system how much time, when, and in what areas you use the system.  I do not have sympathy for students who perform poorly on exams or projects who have not spent adequate time on the USAONLINE system for this class.

*Makeup work*: You are responsible for all material and to make up all missed work.  There will be no make-up tests. With a valid, documented reason I will weigh the remaining work appropriately so you will not be penalized.   Individuals missing an exam without a valid, documented reason may be forced to take a comprehensive makeup exam at the end of the semester.   If you know you will miss an exam beforehand it will benefit both of us if you let me know.

*Projects* – this class includes project requirements and deliverables related to object oriented systems analysis and design using the Unified Modeling Language (UML).  Typically there are five project assignments given out over the course of the semester which are each worth 6 points toward your final grade.  Projects will require significant work outside of class time.  All project work will be done individually.  Any project work that appears to be the work of more than one person will be given a grade of zero and a letter of academic misconduct will be sent to all students involved.  Specific project requirements, point assignments, and due dates will be distributed during the semester.

*Microsoft Visio Professional 2007 software:*  You will be **required** to use this software to complete your project work for this class.  You should download and install a free copy of *Microsoft Visio Professional 2007* from the School of CIS MSDNAA website on your laptop if you have not already done this for another class.

*Email:* Any email sent to me should always include as part of the email’s *Subject:* **ISC 560** and should include the reason you are emailing me (e.g. “ISC 560 question about the next quiz”).

The email’s *body* should always include your name so I know who I am communicating with.
Because of FERPA (http://ed.gov/policy/gen/guid/fpco/ferpa/students.html) restrictions I am unable to discuss **anything** related to your grades or academic records via email or by phone with you or with anyone else.  Any conversation related to those topics must be held in person.

*Academic Honesty:* The School of Computer and Information Sciences policy on cheating is

Unless otherwise stated by your instructor, all work submitted for grading must be your work.  This means that the work you submit for grading must be designed and implemented by one and only one person, and that person must be you.  Any deviation from this policy may result in a failing grade for the course for all parties involved.  This policy applies to examinations, programming assignments, quizzes, projects, and homework assignments.

*Disability Statement:* If you have a specific disability that qualifies you for academic accommodations, please notify the instructor/professor and provide certification from Special Student Services.  (OSSS is located in Room 270 of the Student Center (460-7212).

*Academic Disruption Policy:* I expect students to be cordial, courteous, and respectful of faculty members and fellow students.  The University of South Alabama respects the right of instructors to teach and students to learn. Maintenance of these rights requires an academic environment that does not impede their exercise. To ensure these rights, faculty and staff members have the responsibility:

- To establish and implement academic standards.
- To establish and enforce reasonable behavior standards in each academic setting.
- To document and report incidents of academic disruption.
- To refer for disciplinary action those students whose behavior may be judged to be disruptive under the Code of Student Conduct (refer to USA Policies in the student handbook “The Lowdown” for specifics).

Disruptive academic behavior is defined as individual or group conduct that interrupts or interferes with any educational activity or environment, infringes upon the rights and privileges of others, results in or threatens the destruction of property, and/or is otherwise prejudicial to the maintenance of order in an academic environment. An academic environment is defined as a classroom, laboratory, library, study hall, field trip or similar setting in which formal learning is taking place. Though dependent upon the size and nature of the academic setting, disruption refers to behavior a reasonable person would view as substantially or repeatedly interfering with the conduct of an activity. Disruptive behavior may range from the mildly annoying (which should be tolerated as much as possible) to clearly disruptive, dangerous and/or violent behavior which should never be tolerated.

*Changes in Course Requirements:*  Since all classes do not progress at the same rate, I may wish to modify the above requirements or their timing as circumstances dictate.  For example, I may wish to change the number and frequency of exams, or the number and sequence of assignments.  However, the students will be given adequate notification.  Moreover, there may be non-typical classes for which these requirements are not strictly applicable in each instance and may need modification.  If such modification is needed, it will be in writing and conform to the spirit of this policy statement.

*Plagiarism:* Plagiarism is a form of academic misconduct and therefore is not allowed in this or any other class.  I reserve the right to use all tools at my command to determine if you have committed plagiarism and I will not hesitate to charge anyone committing plagiarism in this class with academic misconduct.

*USA Turnitin.com Policy Statement*

"The University of South Alabama is committed to the fundamental value of academic honesty.  The student handbook, The Lowdown, defines plagiarism as one form of academic misconduct, which is "subject to investigation and disciplinary action through appropriate university procedures.”  Plagiarism is using somebody else's ideas and/or words in your writing without correctly identifying the sources.  As one resource for helping you avoid plagiarism, your written work in this class may be submitted to Turnitin.com, or a similar detection method, for an evaluation of the originality of your ideas and proper use and attribution of sources.  Assignments submitted to Turnitin.com will be included as source documents in a restricted access database solely for the purpose of detecting possible plagiarism of such documents.  As part of this process, you are required to submit electronic as well as hard copies of your writing.  By taking this course, you agree that all assignments may be subject to some form of originality review.  A paper not submitted according to procedures and format set by the instructor may be penalized or may not be accepted."