ISM 3113 Fall 2014 Syllabus

General Course Information

CRN 81717

Course Title Systems Analysis & Design

Description Systems concepts, structured methods, techniques, and computerized tools used in information systems analysis and design. Both procedural and object-oriented analysis design approaches are covered. Students will work on a real life projects to apply concepts and methods learned in class. (Fundamental computer programming knowledge required.)

College Lutgert College of Business

Subject Area ISM-Info. Systems Mgmt.

Course Number ISM 3113

Credit Hours 3

Meeting Information

Start Date End Date Days Time Room
Class Aug 18, 2014 Dec 5, 2013 MW 5:00 pm - 6:15 pm LH 2209
Exam Dec 8, 2013 M 4:30 pm - 7:15 pm LH 2209

Prerequisites ISM 3212 with a minimum grade of C and COP 3003 with a minimum grade of C or ISM 3232 with a minimum grade of C

Course URL http://elearning.fgcu.edu/

Distance Learning/Off Campus Course Information

Is this a DL Course? No, it is an on-campus course. Canvas will be used to submit assignments, for course email, and to post course notes.

Instructor Information

Instructor Andrew Blitz

E-Mail Address ablitz@fgcu.edu

Phone Number
Course Materials

Required Course Materials

Optional Course Materials

Course Policies, Learning Objectives, and Agenda

Attendance:

Students are expected to attend every class session. It is the student's responsibility to get course notes from fellow students should they have to miss a class. Since this is a three credit course you should expect to spend between 6 and 9 hours outside of class each week on readings, projects, and homework. Cell phones must be turned off before coming to class. Bringing food or drink to class or office hours is strictly prohibited.

Grading:

Participation, attitude, attendance - 5%
Assignments - 15%
Quizzes - 15%
Project - 25%
Exams - 40%

Grading Scale:
90-100% A
80-89%  B
70-79%  C
60-69%  D
0-59%   F

+ and - grades may be given to borderline students at the discretion of the instructor

**Late Assignments:**

Late assignments will be penalized 10% per week. Late assignments will not be accepted more than two weeks after the due date. Online quizzes cannot be turned in late.

**Makeup Exams:**

Makeup exams may be given in the case of student's illness or family emergency only. The student must make every effort to contact the professor prior to the exam if they cannot take the exam at its scheduled time. Quizzes and in class assignments cannot be made up.

**Academic Dishonesty/Cheating Policy:**

All homework unless otherwise specified should be the student's own work. If you turn in someone else's work, then you will lose double points for that assignment. If you allow someone else access to your work, then you will lose all points for that assignment.

What is not ok (that is, cheating):

- working with another student and turning in the same assignment
- emailing or posting your assignment to allow someone else to "just see how you did it"
- copying someone else's assignment, or copying a assignment from a book or the internet.

What is ok:

- explaining to another student what mistakes they made
- discussing how to approach an assignment
- asking your professor for help in person or via email

**Additional Information  Goals & Objectives:**

Course Objectives: The primary objective of this course is to instruct the 'systems analyst', the 'programmer' and the 'USER' in the skills and methodology essential to designing, controlling and working with business data and management systems. The student will acquire a perspective of a business as an information system,
knowledge of basic tools of systems analysis and relevant experience in the application of these tools.

After completing this course you should be able to design applications that solve business problems. Specifically, you should be able to:

- To explain the concepts and principles of systems analysis
- Use systems-thinking to understand and frame IT business problems.
- Design and present IT solutions to address business challenges
- To be familiar with the various methods, tools and techniques required to conduct systems analysis
- To communicate effectively using oral communication and written reports

Classroom sessions will consist of lectures and open seminar type discussions. The student will be expected to incorporate the concepts of systems analysis in preparing project presentations and a comprehensive case study. Students will demonstrate their knowledge through exams, class participation, homework assignments, and by creating and presenting a formal design of a business information system. ISM 4332 Project and QA and ISM 4154 System Integration Strategies will give students further practice designing, implementing, testing, and integrating such applications in cross functional systems.

**Pre-requisite knowledge:**

You are expected to know how to install and run common Windows and Web applications; how to manage files, directories, and disks in a Windows environment; and have had a semester of two semester of programming and a semester of database design.

**Course Outline:**

- Planning and Initiating Systems Development Projects
  - Chapter 1 - Systems Development Environment
  - Chapter 2 - Origins of Software
  - (Chapters 3-5 will be covered in ISM 4332)
- Systems Analysis
  - Chapter 6 - Requirements Determination
  - Chapter 7 - Structuring System Process Requirements
  - Chapter 8 - Structuring System Data Requirements
- Systems Design
  - Chapter 9 - Designing Databases
  - Chapter 10 - Designing Forms and Reports
  - Chapter 11 - Designing Interfaces and Dialogs
- Object-oriented Design
  - Chapter 7,8 Appendices
- Review, final exam

**Important Dates:**
Aug 18 - First class meeting
Sept 1 - Labor Day, no class
Sept 30 - Exam 1 (tentative)
Oct 27 - Exam 2 (tentative)
Oct 31 - last day to drop without academic penalty
Nov 11 - Veterans Day, no class
Nov 26-29 - Thanksgiving, no class
Dec 3 - Last day of class, last day assignments will be accepted
Dec 8 - Final Exam, 4:30pm to 7:15pm, Lutgert Hall 2209

University Statements:

Academic Behavior Standards and Academic Dishonesty

All students are expected to demonstrate honesty in their academic pursuits. The university policies regarding issues of honesty can be found in the FGCU Student Guidebook under the Student Code of Conduct and Policies and Procedures sections. All students are expected to study this document which outlines their responsibilities and consequences for violations of the policy. The FGCU Student Guidebook is available online at http://studentservices.fgcu.edu/judicialaffairs/new.html

Disability Accommodations Services

Florida Gulf Coast University, in accordance with the Americans with Disabilities Act and the university’s guiding principles, will provide classroom and academic accommodations to students with documented disabilities. If you need to request an accommodation in this class due to a disability, or you suspect that your academic performance is affected by a disability, please contact the Office of Adaptive Services. The Office of Adaptive Services is located in Howard Hall 137. The phone number is 239-590-7956 or TTY 239-590-7930

Student Observance of Religious Holidays

All students at Florida Gulf Coast University have a right to expect that the University will reasonably accommodate their religious observances, practices, and beliefs. Students, upon prior notification to their instructors, shall be excused from class or other scheduled academic activity to observe a religious holy day of their faith. Students shall be permitted a reasonable amount of time to make up the material or activities covered in their absence. Students shall not be penalized due to absence from class or other scheduled academic activity because of religious observances. Where practicable, major examinations, major assignments, and University ceremonies will not be scheduled on a major religious holy day. A student who is to be excused from class for a religious observance is not required to provide a second party certification of the reason for the absence.

Center for Academic Achievement

The Center for Academic Achievement (CAA) provides academic support services to all FGCU students. Students can take advantage of our free peer tutoring and Supplemental Instruction sessions for lower-level math and science courses, as well as workshops to facilitate the development of skills necessary for college success. If you would like to participate in any of our programs, learn about tutoring services, or meet with an Academic...
Retention Coordinator, please visit the CAA in Library 103 or call us at (239) 590-7906. Our website is www.fgcu.edu/caa.