CSCI 359 001 – Systems Analysis and Design

Spring 2013

Day and Time: Tuesday, Thursday: 9:30-10:45 AM; Meets 1/14/2012 - 05/10/2012

Instructor:

Varadraj P. Gurupur, PhD
Journalism Building, Room 210
Email: varadraj.gurupur@tamuc.edu
(Please use the subject name as CSCI 359 in your email)

Office hours:
Mondays – 2:30 PM to 4:30 PM
Tuesdays – 11:30 AM to 1:30 PM and 3:30 PM to 4:30 PM
Wednesdays – 2:30 PM to 4:30 PM
Thursdays - 11:30 AM to 1:30 PM and 3:30 PM to 4:30 PM (other times available by appointment)

Textbook:

Software Engineering (Ninth Edition), Ian Sommerville, Addison-Wesley.

Apart from the chapters included in the aforementioned textbook the instructor may provide some additional learning materials in the class.

Pre-Requisites:

Prerequisite CSCI 270 and (CSCI 340 or concurrent enrollment) Prerequisites: Lvl U CSCI 340 Min Grade D Concur or Lvl U CSCI 270 Min Grade D

The expected student learning outcomes for this course are as follows:

• Understand concepts relating to different software lifecycle models.
• Explain the purpose and activities of the systems development life cycle phases.
• Understand project managementand risk assessment techniques.
• Understand the need for software restructuring and the techniques involved.
• Understand and model system processes, events, and data flows within a system.
• Understand the concepts involved in designing and developing secure software systems.
• Understand concepts relating to various models, tools, and techniques used in system analysis and design.
**Brief Description:**

This course has been designed to provide students required knowledge and skills on software analysis and design techniques. The course covers various modelling techniques in both analysis and design of software systems. Students enrolled in this course will be trained in developing a software requirements document. This would help the students understand the role of a systems analyst.

**Score Breakup:**

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<th>Weight</th>
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<tr>
<td><strong>Quizzes</strong></td>
<td>20%</td>
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<tr>
<td><strong>Homework</strong></td>
<td>20%</td>
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<tr>
<td><strong>Midterm Exam</strong></td>
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<tr>
<td><strong>Final Exam</strong></td>
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<tr>
<td><strong>Project</strong></td>
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- **Quizzes**: Eight quizzes will be conducted and the best six scores will be counted for the final grade.
- **Homework**: Two homeworks will be provided.
- **Midterm Exam**: The midterm exam will be conducted on March 7, 2013 at 9:30 AM.
- **Final Exam**: The final exam would be comprehensive and will be conducted at 9:30 AM on May 2, 2013.
- **Project**: A comprehensive Systems Requirement Specifications document as well as a design document will have to be provided on a scheduled date before the final exam.

**Grading Policy:**

A - 90% and above; B - 80% - 89%; C - 70% - 79%; F - below 70%

**Quizzes:**

All eight quizzes will be conducted without prior notice. In this way the instructor can ensure the regular attendance of the students. There will be no makeup quizzes.

**Policy on Makeup Exams:**

There will be no makeup exams under general circumstances. Makeup exams may be provided to students under extreme circumstances such as hospitalization, serious injury, death in the family, etc.
Policy on Plagiarism:

Students involved in plagiarism will receive a zero for that particular homework, or test for the first instance of this action. A second instance will result in the student receiving “F” for the course.

Students with Disabilities Act Compliance:

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you have a disability requiring an accommodation, please contact:

Office of Student Disability Resources and Services
Texas A&M University-Commerce
Gee Library
Room 132
Phone (903) 886-5150 or (903) 886-5835
Fax (903) 468-8148
StudentDisabilityServices@tamuc.edu