CSCI 528 001– Object Oriented Programming

Spring 2013

Day and Time: Monday: 4:30 PM to 7:15 PM; 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 528 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:


If the topics discussed in the slides are not included in the textbook the instructor will provide links to additional study material.

Pre-Requisites:

Prerequisites: Lvl G CSCI 516 Min Grade C

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

- Explain the need for Object Oriented Programming in terms of Software Engineering
- Understand the process of class creation and hierarchy
- Understand the concepts of polymorphism, and interfaces
- Understand the concepts involved in object oriented design such as Open-Closed principle, Dependency Inversion Principle, and Release-Reuse Principle
- Understand the basics of UML and Rational Unified Process
- Understand the fundamentals of threads, their prioritization and race conditions
- Understand the fundamentals of design patterns and their implementation using an object oriented programming language
Grading Policy:

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

Score Breakup:

<table>
<thead>
<tr>
<th>Section</th>
<th>Percentage</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quizzes</td>
<td>25%</td>
<td>Eight quizzes will be conducted and the best six scores will be counted for the final grade</td>
</tr>
<tr>
<td>Homework</td>
<td>25%</td>
<td>Four homeworks will be provided</td>
</tr>
<tr>
<td>Midterm Exam</td>
<td>25%</td>
<td>The midterm exam will be conducted on Monday, March 4, 2013 at 4:30 PM</td>
</tr>
<tr>
<td>Final Exam</td>
<td>25%</td>
<td>The final exam would be comprehensive and will be conducted on Monday, April 29, 2013 at 4:30 PM</td>
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Quiz Schedule:

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 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