UNIVERSITY OF MARY HARDIN-BAYLOR
COMPUTER SCIENCE CLASS SYLLABUS
Fall, 2009

GENERAL INFORMATION

Course Number:	**CISC 3321**
Course Title:	**Intro. Object Oriented Programming**
Number of Credits:	**3**
Location of Class:	**Davidson Building, Room 122**
Meeting Time:	**1:00 A.M. – 2:20 P.M. T,TH**
Professor:	Dr. Edwin Armstrong.
Office:	Room 101 Davidson Building
Office Hours:	See Professor's schedule posted in Davidson
Office Phone:	(254) 295-5118
Email:	**earmstrong@umhb.edu**
Class web-page:	**http://tinyRealm.com/**

COURSE DESCRIPTION

This course introduces the concepts of Object Oriented Programming (OOP) and Object-Oriented Design and development. The use of programming techniques for classes and objects in the creation of programs will be emphasized. The JAVA language will be used to practice proper program design and implementation, to reinforce learned concepts. This course will require a lot of out of class time; The average student spends between 3 -15 hours per week working on programs and projects (keep up, if you start falling behind, ask for help early). Assignments will be given out in class and posted on the CISC 3321 web-page, along with the BBS - used for class interaction and help; Web-link: http://tinyRealm.com/~efa/cisc3321/

COURSE OBJECTIVES

This is not a beginning programming course; a previous structured language course either in JAVA, C#, C or C++ is required. Some of the topics
covered will be:

1. Simple Classes and methods
2. Complex instances of a class with methods.
3. The concept of autonomous entities will be stressed.
4. Stacks and Queues
5. Recursion
6. Graphical features of the JAVA language are ones of its strengths. Several graphical (window like programs will be written).
7. File input/output will be taught and practiced.

Course Goals:
Achieve personal understanding and the ability to effectively integrate Biblical and moral principles into the world of business and science.

Develop computer science skills necessary to pursue excellence and effectiveness within the field of computing.

Have a balance between the theoretical and the practical; a theoretical foundation of the hardware and software aspects of computer science, as well as the practical application and knowledge of current practice.

Course Objectives:
The student will:

1. Continue to develop proper program construction and documentation methods.
2. Learn how to use a structured programming language to develop algorithms.
3. Gain confidence in solving a variety of programming problems.
4. Learn to perform and utilize JAVA as an Object Oriented language.

COURSE MATERIALS:

Textbook:

Core Java, Volume I--Fundamentals (8th Edition)
by **Cay S. Horstmann** , **Gary Cornell** **ISBN #: 978-0132354769**
Publisher: Prentice Hall PTR Edition: 8th Copyright Year: 2007

Our bookstore should carry this book. Also, http://half.com/ or http://amazon.com/
Should carry it.

Other items:
A flash drive is required for this class (a 512 Meg drive, 1Gig or 2Gig drive is recommended).

COMPUTING LABORATORY

Our computer lab will have appropriate software installed to allow you to program in JAVA. A CD will be provided with any other software you might want to install on your home computer. **You are responsible for maintaining backup copies of all your programs.** Our web-page at: http://tinyRealm.com/ will be used to provide software and a BBS for class turn-in and interaction.

COURSE POLICY AND PROCEDURES

1. Grading: The final grade calculation will be reached according to the distribution described on page 63 of the 2004-2006 UMHB Catalog. The final course grade will be computed by the following percentages:

Class participation & Daily Assignments		10-20%
Tests (2)	30%	
Laboratory Projects		50-60%

* These percentages can vary, a small amount, depending on class dynamics.

2. Attendance: The student is expected to attend **ALL** scheduled classes and will be held responsible for all class work and assignments. Continued absences will result in an unsatisfactory grade report for the course. To be counted present, a student must be in the classroom during the scheduled class or lab time for as least 80% of schedule time.

3. Tests: All students are required to be present for a test. If an extreme emergency occurs, and you cannot make the test time, the student should make every effort to contact the professor by email, telephone or in person to receive permission to miss the test. Permission will be granted only in the case of extenuating circumstances.

4. Makeup Tests: Students desiring a Makeup Test must make arrangements with the professor to take the test. A Makeup Test must be scheduled during office hours **BEFORE** the next scheduled test. If a student fails to take a Makeup Test before the next scheduled test, that student will receive a ZERO for the test missed.

5. Assignments: All assignments will be due on the **DUE-DATE** (**normally Friday's**). They are due at mid-night and are normally turned in electronically.

6. Final Exam: The final exam will be comprehensive. **NO MAKEUP WILL BE GIVEN FOR THE FINAL EXAM**.