

LEMOYNE-OWEN COLLEGE
DIVISION OF NATURAL AND MATHEMATICAL SCIENCES

Syllabus for COSI 223 A
PROGRAMMING in JAVA and Internet
Spring Semester, 2010

Pre-requisites: COSI 118.

Text: Cay Horstmann, *Big Java*, Third Edition. John Wiley & Sons, Inc., 2008.
ISBN 978-0-470-10554-2

Class Meeting: Tues/Thurs 11:00 a.m. to 12:20 p.m., GOH 114.

Instructor:

<i>Name:</i>	Valerie Chu, Ph.D.
<i>Office:</i>	GOH 400 D
<i>Phone:</i>	435-1378
<i>Office Hours:</i>	MWF 11:05 a.m. to 1:25 p.m. TTh 9:30 to 11:00 p.m.
<i>Email:</i>	valerie_chu@loc.edu, extrapo66@yahoo.com
<i>URL:</i>	http://biobio.loc.edu/chu/web/

Course Description:

This course introduces students to Java programming. It covers Java applications and applets, control structures, methods, arrays, object-based programming and elementary graphics. Three hours of lecture per week.

Objectives:

1. To recognize the writing style of object-oriented programming.
2. To explain clearly to other students the relationships between class and object.
3. To discuss with a group of students about when, where and how to use static fields or instance fields.
4. To create a Java program and apply that program to real-life problems.
5. To write clearly in English about the purpose of every method in a Java program.
6. To understand the difference between syntax error and logic error.

Course Outline:

<i>Weeks</i>	<i>Chapters</i>	<i>Topics</i>
1	1	Introduction
2	2	Using Objects
3	3	Implementing Classes
4	4	Fundamental Data Types
5	5	Decisions
6	6	Iteration
7	7	Arrays and Arrays Lists
8		Review and Test I
9	8	Designing Classes
10	9	Interfaces and Polymorphism
11	10	Inheritance
12	11	Input / Output and Exception Handling
13	12	Object-Oriented Design
14		Review and Test II
15		Comprehensive Final Exam

Instructional Strategies:

Students will engage in learning activities, which will include assigned readings, class presentation, and computer laboratory work. All announcements will be posted in the web-site, <http://biobio.loc.edu/chu/web/>.

Course Requirements and Evaluation Procedures:

Several quizzes, two mid-term tests and a final comprehensive examination will be given. There are **no make-up tests** except for a valid document from a doctor; however, a note from home is not acceptable.

Programming or written assignments will be assigned frequently. It has to be sent through the e-mail by the deadline (noon of the due day). **Late assignments will receive the following penalties:** 1 day late, minus 10 points; 2 days late, minus 20 points; 3 days late, minus 30 points; ...and so on until zero credit. Students are responsible to check a return e-mail for assignment credits. If a student has turned in assignments and there is no response from the instructor, the student has to contact the instructor directly; otherwise, the student would get a zero credit for the assignment. **Duplication of programming or written assignments will not be permitted. Duplicated programming assignments as well as the original will be assigned a grade of "F".**

The score of the final examination can be used to replace the lowest score of the mid-term examinations.

The course grade will be calculated on the following distribution:		Grades will be recorded in numerical form until the final averages are determined at the end of the semester. <i>Grading Scale</i> will be	
Homework	20%	90 to 100	A,
Quizzes	20%	80 to 89	B,
Mid-term Tests	40%	70 to 79	C,
Final Exam	20%	60 to 69	D,
		others	F.

Attendance Policy:

In accordance with college policy, classroom attendance is required. The following standard will be applied:

1. If unexcused absences total **15%** of the regularly scheduled class meetings, the instructor has the authority to lower the final grade by one letter.
2. If unexcused absences total **20%** of the regularly scheduled class meetings, the instructor has the authority to give a failing grade.
3. **Five** classes tardy—arrival to class five minutes after class has begun—will equal one unexcused absence.

Policies Related To Students With Disabilities:

The facility of Gibson-Orgill hall is equipped an entrance ramp and elevator to accommodate students with physical disabilities. Special arrangements can be made for students with other disabilities or impairments (i.e., deaf, mute, etc.)

If you need course adaptations or accommodations because of a disability, if you have emergency medical information to share, or if you need special arrangements in case the building must be evacuated, please make an appointment with Jean Saulsberry, Director of Student Development as soon as possible (901) 942-6205. The Student Development Office is located in the Alma C. Hanson Student Center, room 208.