SYLLABUS

COP 3330 Object Oriented Programming
Summer 2012

Instructor: Eng. Hector M Lugo-Cordero, MS
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Office Hours:
Wednesdays – 3:00 pm to 4:00 pm
Or by appointment

Course Description:

- **Catalog Description:** Object oriented programming concepts (classes, objects, methods, encapsulating, inheritance, interfaces) and the expression of these concepts in the programming languages such as JAVA.

Prerequisite: COP 3223 or EGN 3211
Corequisites: NONE

Course Objectives:
The student will be able to:

- Understand what object oriented programming (OOP) is and be able to apply it to solve computing problems.
- Learn the different components of OOP and their usefulness.
- Work with collection of objects to better represent large amount of data.
- Introduce the students to advanced computing with OO (e.g. networking and GUIs).

Course Topics:
The topics for discussion are:

- Overview of Java as an Object Oriented Language
- Integrated Development Environment
- Exception handling, debugging and testing
- Using and writing classes
- Organizing data with collections
- Inheritance, polymorphism, and aggregation
- Thread Programming
- Socket Communication
- GUIs
- UML modeling

Meeting Times
Monday, and Wednesday 4:00 pm to 5:50 pm
Location: MAP 260

Main Textbook
To Be Announced

Supplemental Text
Java Online API (http://docs.oracle.com/javase/6/docs/api/)

Grading Criteria and Weights:

Quizzes (at the end of class)	10%
Programming assignments	20%
Project	25%
First Examination	10%
Second Examination	15%
Final Examination	20%
Total	100%

Grading Definitions

A	Above 88 points (approximate)
B	Between A and C brackets
C	For those who get 65 – 78 points
D	For those who get 50 – 65 points
F	For those who get 50 or less points
+/- graded	Awarded to few students bordering between grades

Course Requirements

All assignments must be submitted as instructed in the assignment by the cut-off date. No late assignments will be accepted, except in special cases. Homework assignments are very important in this class and prepare you for examinations.

For the programming assignment, you must submit it by the cut-off date, even if your program is not working. This will give you partial credit. Some grading points are assigned for the documentation of the program.

Examinations are given in class during dates and times specified in the course schedule.

Missed Assignments/Make-Ups/Extra Credit

There are no make-ups for missed assignments.

Unavoidable circumstances, such as medical or legal emergencies, sometimes occur which throw timing off. Pertinent documentation, deemed acceptable by the instructor, will be required for any excused absence from an assignment or makeup examination. Contact your instructor as soon as possible to arrange for delayed assignment or makeup examination.

Attendance Policy:
All students are expected to take an active part in all on campus classes. More than three unjustified missed classes may affect the student's final grade.

Academic Integrity:
As stated in the UCF Golden Rule: http://cs-support.cs.ucf.edu/cgs1060/academic_policy.asp

Good academic work must be based on honesty. The attempt of any student to present as his or her own work that which he or she has not produced is regarded by the faculty and administration as a serious offense. Students are considered to have cheated, for example, if they copy the work of another or use unauthorized notes or other aids during an examination or turn in as their own a paper or an assignment written, in whole or in part, by someone else. Students are guilty of plagiarism, intentional or not, if they copy material from books, magazines, or other sources without identifying and acknowledging those sources or if they paraphrase ideas from such sources without acknowledging them. Students guilty of, or assisting others in, either cheating or plagiarism on an assignment, quiz, or examination may receive a grade of F for the course involved and may be suspended or dismissed from the university.

Miscellaneous:
This syllabus provides a general outline for this course - deviations may be necessary.
Students with disabilities should contact the Office of Students with Disabilities in the Ferrell Commons prior to the first exam so that reasonable accommodations may be made where necessary

CIS 4361 COURSE SCHEDULE (TENTATIVE)

Week	Dates	Topic	Due Assingments
1	5/14 5/16	Course Introduction Java Basics (Variables and Expressions) Control Structures and IDEs	 HelloWorld
2	5/21 5/23	Basics of Classes String Scanner and Random	
3	5/28 5/30	**Memorial Day** Math and File IO	
4	6/4 6/6	Defining classes and Methods Class Accessors	StatsCalculator
5	6/11 6/13	Review Exam1 **First Examination**	
6	6/18, 6/20	**Week Off**	
7	6/25 6/27	Arrays, 2D Arrays, and ArrayList LinkedList, Queues, PriorityQueues	
8	7/2 7/4	Hashtables, Trees, and Graphs **Independence Day**	
9	7/9 7/11	Aggregation and Inheritance Polymorphism and Interfaces Review Exam2	
10	7/16 7/18	Threads Sockets	
11	7/23 7/25	GUIs UML	
12	7/30 8/1	Final Exam Review **Final Examination**	**Class Project**