Fall 2011 **COP3503H** **HUGHES**

SYLLABUS

Instructor: **Dr. Charles E. Hughes**
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Class: **MWF 11:30am – 12:20pm**
Office Hours: **MW 9:45AM-10:45AM; M 5:30-6:30; and by appointment**
Texts: *Data Structures and Algorithm Analysis in Java*, Second Edition by Mark Weiss
ISBN-10: 0321370139

Rules to Abide by

Do Your Own Work (unless the assignment is a group one)

- When you turn in an individual assignment, you are implicitly telling me that these are the fruits of your labor. Do not copy anyone else's homework or let anyone else copy yours. In contrast, working together to understand lecture material and solutions to problems not posed as assignments is encouraged. Cheating on an assignment will result in an F on that assignment for the first infraction and an F for the course on the second. This can also lead to administrative action at the university level.

Late Assignments

- Each assignment will have a due date and 10% will be subtracted for each day late (up to 2 days late, 20% off; more than two days late results in no credit)

Exams/Quizzes

- No communication during exams/quizzes, except with me or a designated proctor, will be tolerated. A single offense will lead to termination of your participation in the class, the assignment of a failing grade and probable administrative action at the university level. (See http://z.ucf.edu)
- Exams can only be made up under extreme extenuating circumstances. Traffic and malfunctioning alarm clocks are not valid excuses. If you miss an exam, you are responsible for contacting the instructor immediately. If you have not contacted the instructor within one day of the exam, you cannot make it up even if you had a legitimate reason for missing the exam, unless the circumstances preventing you from taking the exam also caused you to be unable to contact the instructor.
- I don't do extra credits unless I do them for the whole class and that is very, very rare.

Important Dates: Labor Day -- September 5; Quiz – September 26 (Tentative); Midterm Exam -- October 10 (Tentative); Withdraw Deadline -- October 27; Final -- December 7, 10:00AM-12:50PM

Assignments: 5 to 8, one of which is the major project. Each assignment will have a due date and 10% will be subtracted for each day late (up to 2 days late, 20% off; more than two days late results in no credit)

Exams: One quiz, one midterm and a final

Material: I will draw heavily from text by Aho, Lam, Sethi and Ullman. You are responsible for material discussed in notes and in in-class discussions. Not all of this is addressed in text. I highly recommend attending class, interacting with me and listening very carefully when I say a topic is important to me; hint, hint about exam questions ;-)

Grading Policy:

- Quiz – 10%
- Mid Term -- 15%
- Final Exam -- 25%
- Programming and Other Assignments – 20%
- Final Programming Project –25%
- Wild Card -- 5% (used to increase weight of what you did well on)
- Grading will be A >= 90%, B+ >= 87%, B >= 80%, C+ >= 77%, C >= 70%, D >= 60%, F < 60%.(minuses may be used)

Attendance: I do not take attendance but I expect it, and I expect you to arrive on lime. If people begin arriving late or missing class as a matter of habit, I will begin taking attendance or having unannounced quizzes. If you have legitimate reasons for arriving late or leaving early, please inform me ahead of time, and please enter or leave the classroom as unobtrusively as reasonable.

Expected Outcomes

- Stronger analysis skills
- Stronger proof skills
- Better understanding of when to use what data structures based on ADT services
- Bigger bag of algorithmic techniques from which you can call on
- Improved design/programming/documenting/debugging skills/habits

A detailed syllabus with weekly goals is at http://www.cs.ucf.edu/courses/cop3505h.fall2011/
A course Wiki will be set-up. Review sessions will be held before exams.