SYLLABUS - CSC142

Computer Science II
Fall 2006

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Required Text: Tony Gaddis, Starting Out with Java 5: From Control Structures to Objects, ISBN 1-57676-171-1

Lectures, Attendance, Cheating: During class we will focus our attention primarily on the Professor Grump programs that introduce the Java concepts for this course. The textbook is an excellent reference for background information on these concepts. Some classes will be devoted to “classercises” that will help you to prepare for the exams. Regular attendance is a requirement for this course. Cheating on submitted assignments or exams will not be tolerated. I consider cheating a serious offense, especially since the Computer Science major aims to educate students to become professionals in a domain where unethical and unprofessional behavior can lead to economic disaster and even death for innocent victims. (For example, you might want to look into the Therac-25 incident, in which a programmer caused the death of three cancer patients.) If you are a Computer Science major and the only way you can get through our major is through cheating, then CHANGE YOUR MAJOR. Find a profession that you will find truly rewarding.

Assumptions: This course assumes that you had CSC141 or an equivalent course in Java. We will spend the first week or so reviewing the important concepts from that course.

Submitting assignments: I do not care which development environment you use in this course. The JGrasp environment is really cool and that is what I will be using. What is required is that you submit projects that will compile and run under Java 5.
Late submission of assignments: There is a penalty for late submission of homeworks, although late submissions are accepted up until a point. The late penalty increases as time lapses, so the earlier you hand in a late project the better.

Grading:
- Hourly exams: 50% (25% each)
- Final exam: 27%
- Four projects: 23% (3 + 6 + 7 + 7)

Tentative Syllabus:

Weeks 1 and 2 (max) of the course:
- Review of CSC141.
- The first assignment relates to this review material.

Weeks 3-5:
- Chapter 6. Classes.
- Second assignment relates to this material.
- First hourly exam relates to the review material and chapter 6.

Weeks 6-9:
- Chapter 8. Arrays.
- Third assignment relates to this material.

Week 10:
- Chapter 15. Recursion.
- Second hourly exam relates to the material in chapters 6 & 8.

Last five weeks of the course:
- Chapters 7 and 9. Introduction to GUI, more about classes.
- Fourth assignment relates to this material.
- Final exam relates to chapters 7, 9 and 15.