Course Syllabus
CSCI 4900/6900 – Real-Time Systems
Spring 2006

Meeting Place and Time: Tuesday and Thursday 12:30 – 1:45 Bio. Sci. 404C
Monday 1:30 – 2:15 Bio. Sci. 404C
Course Web Page: http://www.cs.uga.edu/∼shelby/classes/4900-spring-06
Instructor: Prof. Shelby Funk
Telephone: 542-3449
Office: Boyd GSRC 215
E-mail: shelby@cs.uga.edu
Office Hours: Monday and Thursday 2:00 – 3:30, or by appointment
Text: *Real-time Systems*, Jane Liu, Prentice Hall, 2000.

Objectives: This course will introduce you to real-time systems. At the end of this course, you will know (i) what makes a system "real-time," (ii) applications that require real-time systems, (iii) common models used to describe real-time systems, (iv) common techniques used to ensure a wide variety real-time systems satisfy their real-time requirements. Most of our time will be spent on the fourth point (analysis techniques for real-time systems).

Prerequitsites: CSCI 4730 (Operating Systems).

Topics: We will cover Chapters 1, 2, 3, and 5 in Jane Liu's book. In addition, we will cover portions of Chapters 4, 6 through 9, and 12. Finally, we will cover some topics from a few research papers, which will be provided before the material is covered in class.

Important dates:

Jan. 9, Mon.	Classes begin
Jan. 9 – 12, Mon. – Thu.	Drop/Add (4900)
Jan. 9 – 17, Mon. – Tue.	Drop/Add (6900)
Jan. 16, Mon.	Martin Luther King day holiday
Feb. 15, Thu.	**First midterm exam**
Mar. 2, Tue.	Semester midpoint
Mar. 7, Thu.	Midpoint withdrawal deadline
Mar. 13 – 17, Mon. – Fri	Spring break
Mar. 30, Thu.	**Second midterm exam**
Apr. 3, Mon.	**Graduate student project description due**
Apr. 24, Mon.	**Graduate student project draft due**
Apr. 28, Thu.	**Graduate project presentations**
May 1, Mon.	Classes end, **Graduate projects due**
May 4, Thu.	Final exam 12:00 – 3:30

Undergraduate Grading:

Homework	30%
Midterm Exams	20%
Final Exam	30%

Graduate Grading:

Homework	20%
Final Project	20%
Midterm Exams	20%
Final Exam	20%

We will probably have five or six homework assignments. While homework is due at the beginning of class, I will accept homework until 10 AM the following day. Some of the assignments may involve programming in the language of your choice. Homework assignments and exams will include some problems that are only required for graduate students. These problems will be clearly marked. Each graduate student must complete a class project. You are responsible for defining your own project. Your project can be either an experimental investigation or a survey or research paper. The project must be a fairly significant piece of work.

The final exam will cover the entire course.

Exam make-up policy: Any student who has three or more final exams on the same calendar day or two final exams at the same time is permitted to reschedule one of their final exams. If one of the exams in question is a "mass" exam, then that exam should be rescheduled. Otherwise, you may arrange to reschedule the final exam for this course. Please check your final exam schedule soon and let me know if you need to reschedule for this reason.

Attendance policy: It is expected that students will be present at all classes. You are responsible to find out any announcements made or material covered in class if you miss that class. While lack of attendance will not directly affect your grade, it is highly unlikely that you will be able to do well in this class if you do not attend the classes.

Academic honesty: All academic work must meet the standards contained in "A Culture of Honesty." Students are responsible for informing themselves about those standards before performing any academic work. The link to more detailed information about academic honesty can be found (until August 22) at: http://www.uga.edu/ovpi/academic_honesty/academic_honesty.htm

The link after August 27 will be:
http://www.uga.edu/ovpi/honesty/acadhon.htm

Caveat: The course syllabus is a general plan for the course; deviations announced to the class by the instructor may be necessary.