PURDUE UNIVERSITY

ECE 264: Advanced C programming
Fall 2005

Class:
TTh 8:30 AM, Room WTHR 160
WF 4:30 PM, Room WTHR 320

Course Web Page:
http://shay.ecn.purdue.edu/~ee264/

Instructor:
Jeff Turkstra, jeff@purdue.edu, Tel. 49-59258.

Office Hours: TBA

Teaching Assistants:
This course has two teaching assistants (TAs). The names, email addresses, and the office hours for the TAs are given below. All TA office hours will be held in **MSEE190 lab.**

Monday	
4:00PM – 6:00PM	Sang ik Lee, sangik@ecn.purdue.edu.
Tuesday	
4:00PM – 6:00PM	Sang ik Lee, sangik@ecn.purdue.edu.
Wednesday	
9:00AM – 12:00PM	Madhur Gupta, guptam@ecn.purdue.edu
Thursday	
4:00PM – 6:00PM	Sang ik Lee, sangik@ecn.purdue.edu
Friday	
9:00AM – 12:00PM	Madhur Gupta, guptam@ecn.purdue.edu

Text:
Required
A Book on C, 4th edition, Al Kelley and Ira Pohl, Benjamin Cummings, 1998,
ISBN: 0-2011-8399-4.

Course Outcomes:
These course outcomes require that a student be able to:
1. read and write C programs that use files, both binary and text I/O.
2. read and write C programs that use structures.

3. read and write C programs that use dynamic data structures. This outcome encompasses the following concepts:
    - pointers
    - memory allocation and management
    - linked lists and trees

You will have more than one opportunity to satisfy these outcomes. The primary means will be through the regular hourly and final exams. We will write questions for each exam around each of these course outcomes. You will satisfy each course outcome when your score for the test question(s) equals or exceeds a value we specify as representing minimal competency. If you fail to meet this level of minimal competency on a specific course outcome, you will have a second chance by taking a retest. The retest will not affect your exam score, but will allow you a second opportunity to demonstrate your competency on the course material, thus satisfying the course outcome. Finally, you may be able to satisfy outcomes on later exams that cover overlapping material.

Rules for MSEE190 lab

This class shares the computer resources in this computer lab. Keep the lab clean and quiet as a courtesy to others. You may work on any available computer even when the TAs are not present. The TAs reserve the right to reduce the number of students in the room. Do not expect the TAs to do your homework.

Class Attendance

You are expected to attend all classes. Attendance will be recorded for randomly selected class sessions. If you choose to attend class, please arrive in the classroom on time. You are expected to be quiet in class. If you must miss a class, you are responsible for procuring any material, information, handouts, announcements, etc., that you missed.

Preparation for Lectures

You should read ahead of the lecture the relevant pages of the topic indicated in the class schedule. Additionally, you are expected to check your email and the course website regularly.

Homework

Homework assignments are assigned usually one per week and are due the following week. These are C programs that are submitted electronically. To ensure success, **compile your code on one of the computers in MSEE190, a Linux box, (even remotely) with GCC** and only GCC. For full credit, your code must follow the code standard established for this course (graded as style points). The course webpage has the code standard and examples.

Other important notes on homework:

- ALL HOMEWORK ASSIGNMENTS ARE DUE AT 7:00 PM on Wednesday of the week it is due (with some occasional exceptions).
- A penalty of 5% per quarter hour will be charged to all assignments submitted after 7:00 pm on the day the assignment is due. No assignment will be accepted after 10:00 PM on the due date.

- If you feel you have a valid reason for not having your work done on time, then send one of the TAs an email **BEFORE** the assignment is due.
- Don't wait till the last minute. If the computer goes down so does your grade.
- Down time and crashes of the computer network are NOT valid excuses for late or missed assignments (BEWARE: Shay/Min have a habit of going down the day assignments are due.)

Quizzes
There will be 8 to 12 unannounced, 5 to 10 minute quizzes in class. The lowest grade quizzes will not be counted towards the final quiz grade. A score of zero will be given for a quiz in case of absence.

Tests/Final Exam
Take note of the exam dates. There will be no makeup exams except for valid emergencies. The student should contact the instructor as soon as possible before the exam. If you have three exams that day, and provide evidence of such, an arrangement can be made to re-schedule the exam if you notify the instructors at least 2 weeks ahead of time. Students missing an exam without permission from the Dean of Students Office will receive a zero.

Midterm 1: Thursday, October 6	7:00pm	PHYS 114.
Midterm 2: Thursday, November 10	7:00pm	FRNY G140.

Final: To be announced later.

Regrades
During the semester, requests for regrading must be submitted in writing within 5 days of the return of the graded exam or homework. These are submitted to the TAs.

Academic Honesty
We expect every member of the Purdue community to practice honorable and ethical behavior in and outside of the classroom. Any action that might unfairly improve a student's score on homework, quizzes, or examinations will be considered cheating, and will not be tolerated. A few examples of cheating are:

1. Submitting homework that is not completely your own work.
2. Sharing results or notes during quizzes or exams.
3. Continuing work on your exam after we have called for papers.
4. Requesting a regrade on an exam or homework problem that has been altered after grading.

Protect your work. All work is subject to computer-based comparison and analysis. If your work is shared with someone, you both are guilty. Cheating on assignments or exams can result in a zero score for the assignment or exam, or a reduced or failing grade for the course, at the discretion of the instructor. Instances of academic dishonesty will be reported to the Office of the Dean of Students for further action and possible suspension or expulsion from the University. Bottom line: DO NOT CHEAT! It is not worth your

academic career. If you are unsure whether a certain act is considered cheating, please ask your instructor.

Grading:
Your course grade will be based on your performance in quizzes, homework assignments, and exams, weighted in the following manner:

Quizzes: 1 'unit' each
Homework: 1 'unit' each
Two midterms: 7 'units' each
Final Exam: 11 'units'

Final grade is then determined by the following:

Homework/Quiz Average		Test Average		Course Average	Grade
>= 85%	and	>= 85%	and	>= 90%	A
>= 75%	and	>= 75%	and	>= 80%	B
>= 65%	and	>= 65%	and	>= 70%	C
>= 55%	and	>= 55%	and	>= 60%	D
< 55%	or	< 55%	or	<60%	F

No curve, no grade quotas.

Help
Help on the general approach to doing the homework assignments and the course material is available from your instructor and from your TAs. If you cannot meet the instructor or TA during scheduled office hours, separate appointment times may be arranged. Homework solutions, old exams for practice, and other material pertinent to the course will be available on the web. Check the course webpage regularly.

Email policies
If you have questions that pertain to this course or to a particular EE264 homework assignment, FIRST check out the course webpage. If that resource did not answer your question, then email your question to the class account (email: ee264ta), but do not expect an immediate response. In addition, do not email source code. Emails of this form will only be discarded.

Tips for success
- First write you programs out on paper
- Start homework assignments as soon as possible
- Practice with and experiment in writing C programs
- Create a cool personal project
- Look at source code available on the Internet