ENEE 114 Programming Concepts for Engineering  (Spring 2004)

Lecture Information:

Lecture:  Tu Th  11:00 am – 12:15 pm  EGR 1202
Class URL:  http://www.ece.umd.edu/class/enee114.$2004/
Instructor:  Dr. Gang Qu  Office:  1417 A.V. Williams Building
Phone:  301-405-6703  Email:  gangqu@eng.umd.edu
Office Hours:  Tu Th  9:30 am – 11:00 am  (or by appointment)

Recitation Information:

0101  MW  9:00 am – 9:50 am  EAB 0305
Ms. Jeeyun Kim  tool@glue.umd.edu  Office hours:
0102  MW  10:00 am – 10:50 am  EAB 0305
Mr. Arnab Choudhury  arnabc@wam.umd.edu  Office hours:
0103  MW  11:00 am – 11:50 am  EAB 0305
Mr. Nikhil Gulati  nikhil@glue.umd.edu  Office hours:
0104  MW  12:00 pm – 12:50 pm  EAB 0305
Mr. Tandeep Sidhu  sidhu@glue.umd.edu  Office hours:
0105  MW  3:00 pm – 3:50 pm  EAB 0305
Ms. Jane Lin  janelin@wam.umd.edu  Office hours:

Grading Policy:

Attendance  5%  (attendance will be checked in both lecture and recitation)
Homework  5%  (4-6 homework assignments)
Quizzes  15%  (two “big” scheduled quizzes and some unscheduled small ones)
Projects  25%  (4-5 programming projects)
Midterm Exams  25%  (I: March 4th, II: April 29th, subject to change)
Final Exam  25%  (comprehensive, Thursday, May 13, 8:00-10:00 am)

Important Dates:

January  26  Monday  First recitation
January  27  Tuesday  First lecture
February  5  Thursday  Last day to inform Dr. Qu about disability and exam/quiz conflict
February  6  Friday  Last day of schedule adjustment
March  4  Thursday  First midterm exam
March  8  Monday  First “big” (full recitation) quiz
March 21-28  No class (Spring Break)
April  9  Friday  Last day to drop with “W” mark
April 29  Thursday  Second Midterm exam
May  3  Monday  Second “big” (full recitation) quiz
May 10  Monday  Last recitation
May 11  Tuesday  Last lecture
May 13  Thursday  Final Exam (8:00 am – 10:00 am)

If you have a documented disability and wish to discuss academic accommodation with me, please contact me as soon as possible and not later than Thursday, February 5.

If any midterms, “big” quizzes, and the final exam is scheduled on a religious holiday that you are compelled to observe and you must make arrangement to take the exam/quiz on a different date, please see me about making these arrangements no later than Thursday, February 5.

If you are experiencing difficulties in keeping up with the academic demands of this course, contact the Learning Assistance Service, 2201 Shoemaker Building, 301-314-7693. Their educational counselors can help with time management, reading, note-taking and exam preparation skills.
Dissection of the Syllabus:

**Heavy Workload Warning:**

You can expect a heavy workload in this course, especially if you have never done any kind of programming in the past. Students in prior semesters have reported spending anywhere between 15 to 30 hours per week on programming assignments. The assignments are not necessarily difficult, but they do require lots of time and patience. If this is your first programming course, you may want to consider taking at most 12 to 14 credits (including the four credits for this course) this semester. If you have done programming in the past and did well, then taking the normal 15-credit course load should be okay.

**Recitation:**

- In order to learn C and UNIX, it is essential that you **practice** and you can never over-practice. Recitation sections and the associated TA office hours are designed to provide you the opportunity to practice programming with the TAs available to answer your questions on site.
- **Attendance** will be checked this semester in both lectures and recitation sections. It has been the case in all the prior semesters that those students who had the most difficulties were also the same students who regularly missed lectures and/or recitations AND there has also been a strong correlation between final grades and attendance.
- Given the large enrollment of the class, recitation sections are also the places that you turn in and pick up your **homework and exam papers**.
- The door to the recitation classroom is at the front of the class. As it has been done before, the TA will close the door once the recitation section starts to avoid the class being disturbed by **late arrivals**.
- For those who are late for the recitation for whatever reason, please do not make any attempt to enter the classroom. We will try to make all the recitation sections synchronized, so you can (and you are welcome to) attend the next available recitation and will not miss much materials covered in your own recitation. However, it is your responsibility to let your own recitation TA know about this and make arrangement for missing attendance checking, homework, or quizzes.

**Attendance: (5%)**

- Attendance is **mandatory** for both lectures and recitation sections. In lecture, the attendance will be checked sporadically. In recitation, the attendance will be taken by the TAs every time, unless there is quiz, homework submission, or exam paper return.
- You will be deducted for each **recorded absence** except for those officially excused by school regulation (http://www.inform.umd.edu/CampusInfo/Departments/InstAdv/UnivPub/Ugradcat/).
- If you are late for your recitation, but attend a later recitation on the same day. You will not be deducted for absence. But it is your responsibility to inform both your recitation TA and the TA whose section you actually attend about this.

**Homework: (5%)**

- There will be 4–6 homework assignments. The assignments will be posted on the course webpage and announced in the lecture, normally at least one week before the due date. Homework will be collected and the graded homework will be returned in the recitation sections.
- Late homework will not be accepted. If you must miss a recitation where a homework assignment is due, it is your responsibility to find a reliable person to turn your homework in for you or submit it to Dr. Qu or your recitation TA before the due date.
- Both effort and correctness will be counted when your homework is graded. It is important that you do the homework problems in the same order as they are assigned.
- If you dispute your score on any homework, you have to contact your recitation TA within one week from the date that your homework is officially returned. If the matter remains unsettled, you have one more week to bring the issue to Dr. Qu with a written request.
• Make sure that you include your full name and student ID on the first page of your homework. Failure to do so will result in late grading/returning of your homework, and you may consequently miss the one-week period to dispute the homework score.

• It is acceptable, and you are encouraged, to discuss homework problems with others, but you have to prepare the final write-up by yourself. Both copying homework and allowing others to copy your homework will be considered as academic dishonesty (see below for more detail in the last item of the Exam section).

Quiz: (15%)

• All the quizzes will be given in recitation sessions. There are two types of quizzes: “big” quiz that takes the full 50 minutes slot of the recitation and will worth 5% each; and “small” quiz that takes less 10 minutes.

• “Big” quiz: there will be two “big” quizzes, normally scheduled on the Monday after midterms. In each one, you will be given several questions and asked to write small C programs under UNIX to answer these questions. This includes typing, testing, debugging, executing the program and electronically submitting it to your recitation TA. Normally the “big” quizzes are open book and open notes. However, you will find it hard to review the material and then complete the program in the given time slot (50 minutes).

• “Small” quiz: “small” quiz usually consists of a couple of easy questions for you to answer, either with or without using the computer. The policies for “small” quiz are quite flexible and will be specified by the recitation TAs.

• Both “big” quiz and “small” quiz are for individual students. Working in groups, copying other student’s program, or allowing others to copy your work will be considered as academic dishonesty (see below for more detail in the last item of the Exam section).

Project: (25%)

• We will have about five programming projects for this semester. (The three effective ways to learn C: programming, programming, and programming.)

• The project will be posted on the course web page and announced in the lecture. Normally you will have two weeks to complete a project; nevertheless, you are recommended to start early.

• The projects must be done under GLUE UNIX system and submitted electronically. Electronic submission will be automatically time-stamped. Late submission will be accepted but subject to some penalty. Detailed submission information will be available with the project assignment.

• It is acceptable to discuss project with other students, but you have to prepare the final write-up by yourself. Both copying homework and allowing others to copy your homework will be considered as academic dishonesty (see below for more detail in the last item of the Exam section).

Exam: (50%)

• All midterm and final exams will be closed book, closed notes, and no calculators, PDAs, or laptops. Please also turn off the cell phones.

• There will NOT be any make-up midterm exams. If you must miss one of the midterm exams, you must get the permission from Dr. Qu at least 48 hours before the exam so that portion of the grade can go to the final exam. Otherwise, 0 will be counted as the score for each of the missed midterm exams.

• If you dispute your score on any midterm exam, you must contact Dr. Qu within one week from the date the exam paper is returned (normally in recitation sections). After this period, no changes will be considered.

• Check final exam schedule before enrolling for the course.

• Academic dishonesty will not be tolerated. The University Code of Academic Integrity, which can be found at http://www.inform.umd.edu/CampusInfo/Departments/JPO/prohibits students from committing the following acts of academic dishonesty: cheating, fabrication, facilitating academic dishonesty, and plagiarism. Academic dishonesty in this class includes outright copying on homework; however, discussing homework problems and exchanging tips is permissible and also encouraged. If there are any take-home exams, discussing the material with anyone, inside or outside of the class, is considered academic dishonesty. Instances of academic dishonesty will be referred to Office of Judicial Programs.