ECE 174 COMPUTER ASSIGNMENTS

General Instructions

Computer assignments must be completed by the indicated due dates. Matlab code plus a report must be turned in for each separate assignment by the designated date.

The computer assignment reports will be rigorously graded and this grade will be half of the 30% of the course grade which depends on homework and computer assignments.

Any number of students can work together to solve the assignments, however each student must turn in code that has been individually written, compiled, and run, and an individually written report.

If two or more reports are obviously the same, a grade of zero will be assigned to all of these reports. If a report is determined to be recycled from a previous year (random copies of previous year reports are on file), a grade of zero will be assigned to that report.

Report Format

Each assignment must be written up as a very brief (no more than 4-8 pages, excluding plots) “Internal Technical Memorandum”. The reports should be written as if you are to give it to your (hypothetical) Group Supervisor/Manager of a (hypothetical) company that you work for.

Your Supervisor is a very busy person who demands a brief, no nonsense, unambiguous technical synopsis which can be read quickly. Therefore, each report should be crisp and clear, and should: (1) State the problem and goals; (2) Describe the proposed technical procedure/solution; (3) Describe and interpret the results of the procedure/solution; and (4) Have a brief conclusion.

UCSD Engineering Portfolio

Your reports should be written clearly and neatly. Show pride in your work and hard-earned accomplishments! If you should so desire, you can assemble your reports into a mini-portfolio and present them at job interviews as representative of your accomplishments and knowledge gained at UCSD. If your reports look good enough you can even hand out copies to interviewers. In job interviews, companies have responded very positively to the computer projects, and several students have been hired specifically because of the knowledge they have demonstrated in the project reports.