EECS 1

Spring 2015 Assignment

Due: June 5, 2015 Friday

(Turn in a PDF file online via EEE DropBox for EECS 1, Don't forget to add your name and Student ID #)

Part 1

Write a 2000-word essay that discusses the current state-of-the-art in an area of EECS that you are interested. The essay should discuss not only currently available technology, but also possible new developments and designs that will be coming in the next decade. The sources for your paper are limited to the main articles (not columns) in the following publications that have appeared since January 2010:

• IEEE Aerospace and Electronic Systems Magazine

• IEEE Antennas and Propagation Magazine

• IEEE Circuits and Systems Magazine

• IEEE Communications Magazine

• IEEE Communications Surveys and Tutorials

• IEEE Computational Intelligence Magazine

• IEEE Computer Graphics and Applications Magazine

• IEEE Computer Magazine

• Computing in Science and Engineering

• IEEE Consumer Electronics Magazine

• IEEE Control Systems Magazine

• IEEE Geoscience and Remote Sensing Magazine

• IEEE Industrial Electronics Magazine

• IEEE Intelligent Systems Magazine

• IEEE Intelligent Transportation Systems Magazine

• IEEE Internet Computing Magazine

• IEEE Micro

• IEEE Microwave Magazine

• IEEE Multimedia Magazine

• IEEE Nanotechnology Magazine

• IEEE Network Magazine

• IEEE Pervasive Computing Magazine

• IEEE Power and Energy Magazine

• IEEE Power Electronics Magazine

• IEEE PULSE

• IEEE Robotics and Automation Magazine

• IEEE Security and Privacy Magazine

• IEEE Signal Processing Magazine

• IEEE Software Magazine

• IEEE Solid State Circuits Magazine

• IEEE Vehicular Technology Magazine

• IEEE Wireless Communications Magazine

Your paper will be graded for content, spelling and grammar. **A note about plagiarism:** Your essay must be in your own words. Copying phrases or sentences from your source material is not allowed, and we have software available that will detect the presence of such material. This also applies to copying material from fellow students; passages from different reports that are too similar will also be detected. Any papers found to contain plagiarized material will receive a significant penalty. **Bottom Line:** Do your own work and don't be lazy!!

Part 2

Complete a plan-of-study for your remaining years at UCI that will prepare you to work in a field related to what you have studied above, or that will prepare you for an appropriate graduate degree in that area. You only need to document the courses you plan to take in future years, until graduation (e.g., if you will be graduating next year, you only need to show the courses you plan to take next year). The plan of study must be detailed, and show the year and quarter for all required courses and technical electives. A specific course for all technical electives and specialization courses must be given, and you must list the course in your schedule during a quarter that the course is normally taught. For general education courses, you only need to indicate the quarter you will take them; the specific course title is not required.