

EC262 Digital Systems Course Policy Statement Fall 2012

Objective: EC262 is a course in fundamentals of digital logic and in realizing a digital system. The course emphasizes both fundamental principles as well as the critical role of performance in digital design. This knowledge is directly applicable to your ultimate effectiveness as an officer and warfighter aboard the most complex, technology-intensive, and expensive machines ever built.

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Schedule:

| | | |
|--------------------|-----------|-------|
| EC262 Section 1111 | MWF1, T12 | RI057 |
| EC262 Section 3311 | MWF3, T34 | RI057 |
| EC262 Section 6511 | MWF6, T56 | RI057 |

Course Website: <http://www.usna.edu/EE/ec262/>

The course website contains all of the information needed for this class, including the course syllabus, course objectives and course policy statement. It is the student's responsibility to check the website regularly for updates.

Textbook: Mano and Ciletti, *Digital Design with an Introduction to the Verilog HDL*, 5th ed.

Course Policies:

Calculators: Only calculators that have been approved for the Fundamentals of Engineering Exam (FE) are allowed. Acceptable calculators are listed at: http://www.ncees.org/Exams/Exam-day_policies/Calculator_policy.php.

Quizzes/Exams: All quizzes and exams are normally closed book, closed notes. All work on exams and quizzes will be your own, and must be in accordance with USNAINST 1531.49 and USNAINST 1531.53. Quizzes will likely be given once per week. Anything covered in class or on the homework is good preparatory material. If you cannot make an exam/quiz for any reason, it is your responsibility to inform your instructor as far in advance as possible.

Homework: Homework and reading assignments will be completed prior to class. Completing the homework is essential to understanding the concepts in this course and will prove vital in your successful performance on quizzes and exams. Homework will be assigned per the course syllabus unless otherwise directed. Collaboration on homework is encouraged; however, **duplication is not authorized**. If you understand the homework, you will likely do well on the exams. Homework is due at the beginning of class on the day after it was assigned (i.e. material assigned on the syllabus for Monday's class will be collected on Wednesday, etc.).

Note: Homework will be graded for effort more so than for accuracy. Be thorough in your work and make a solid attempt. Show all of your work. I'm looking for solutions, not just answers. Homework must be legible (based on my subjective opinion). **Multiple sheets must be stapled together.**

Class Participation: I also expect class participation from everyone in the class. Class participation and communication is essential in leading to a successful engineering career. Class participation will be evaluated.

Labs: The lab exercises are a tool to reinforce the theory presented in the classroom. Labs are scheduled per the syllabus unless otherwise directed. You will be responsible for studying the lab experiment and in most cases doing

pre-lab work prior to the actual experiment. Sometimes students will work independently, and sometimes with a partner. In either case, **all students are individually required to know how to perform the lab**. A lab notebook is required, and details will be provided by your instructor.

Extra Instruction: Your instructor is available for individual extra instruction (EI) during office hours or other mutually agreeable time. To prepare for EI, bring your notes, homework problems, and specific questions with you to help identify trouble areas.

Class Etiquette: Besides normal military courtesy, I expect that you will treat your fellow students, lab techs, and your instructor with common courtesy. A few specifics follow:

- Do not fall asleep in class.
- Turn off your watch alarms, cell phones prior to class.
- Drinks are permitted at the desk but not the lab stations.
- Food is not allowed in the classroom.
- **Clean up your lab station prior to departure from class.**

Section Leader: The Section Leader will be responsible for taking attendance for each class period. At the start of class, the Section Leader will call the section to attention and record/report the names of any individuals that are absent. He/she will also call the class to attention for dismissal at the end of the period. If the Section Leader is absent, an alternate will assume his/her responsibilities. The Section Leader shall also be responsible for mustering the class during emergencies, fire drills, etc and reporting the status.

If for any reason, the instructor is late; the Section Leader shall wait 10 minutes and then contact the ECE department office (3-6150) to inquire about the whereabouts of the instructor and to discover if a substitute instructor is available. If no instructor is available, then the Section Leader shall assume the management responsibility of the class, collecting any homework that is due during that period and conducting a directed study on that class period's topics.

Grading policy:

| | 6-week | 12-week | 16-week | Final Grade |
|--------------------------|---------------|----------------|----------------|--------------------|
| Exam 1 | 60% | 30% | 30% | 20% |
| Exam 2 | NA | 30% | 30% | 20% |
| Final Exam | NA | NA | NA | 25% |
| Quiz Average | 10% | 10% | 10% | 10% |
| HW + Class Participation | 10% | 10% | 5% | 5% |
| Lab Average | 20% | 20% | 15% | 10% |
| Design Project | NA | NA | 10% | 10% |

Note: We reserve the right to adjust your final grade based upon your in-class performance and overall course effort.

Dr. Hau Ngo
EC262 course coordinator

CDR Pat Vincent
EC262 instructor