EEL 3041 Principles of Electrical Engineering Sp 2012

Syllabus

* Instructor: Dr. Harold Klee
* Office: Harris Center 206
* Office Hours: tbd
* Telephone:(407) 823-2270
* Email: harold.klee@ucf.edu
* Class Hours: M,W 12:00-13:15
* Classroom: HEC 104
* Textbook: A Brief Introduction to Circuit Analysis, J. D. Irwin Irwin, Wiley, 2003
* Course Website: http://www.eecs.ucf.edu/courses/eel3041/spr2012

Course description: Introduction to the standard techniques of analyzing resistive circuits, the capacitor and inductor components, transient analysis, and ac steady-state analysis.

Homework will be assigned on a weekly basis but will not be collected or graded. It is important that you do the homework. Some of the quiz questions will be similar or even identical to homework problems.

Homework

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Chap 1 | 1.6 | 1.8 | 1.10 | 1.12 | 1.14 | 1.16 | 1.18 | 1.19 | 1.20 |
| Chap 2 | 2.1 | 2.3 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 2.10 | 2.12 |
|  | 2.14 | 2.16 | 2.18 | 2.20 | 2.23 | 2.25 | 2.28 | 2.30 | 2.33 |
|  | 2.38 | 2.40 | 2.45 | 2.48 | 2.50 | 2.54 | 2.58 | 2.60 | 2.65 |
|  | 2.68 | 2.75 |  |  |  |  |  |  |  |
| Chap 3 | 3.1 | 3.3 | 3.5 | 3.8 | 3.12 | 3.15 | 3.17 | 3.22 | 3.25 |
|  | 3.30 | 3.34 | 3.38 | 3.42 | 3.45 | 3.50 | 3.53 | 3.55 | 3.60 |
|  | 3.62 | 3.65 |  |  |  |  |  |  |  |

Unannounced quizzes will be given throughout the semester and will add to your exam scores and therefore affect your final grade. No individual makeup opportunity will be given for any missing quiz.

Exam 1: 30%

Exam 2: 30%

Final Exam (comprehensive): 40%

Quizzes:

Final average will be determined from

Ave = 0.3 x (Exam1 + Exam 2 + Sum of Quiz scores) + 0.4 x Final