Class: T/R 8:00-9:15 Kirk Auditorium

Instructor: Godi Fischer, Professor, A117  e-mail: fischer@ele.uri.edu

Office Hours: M 2:00-4:00, T 3:30-5:30, R 3:00-5:00

Assistant: Jillian Q. Cai, MSEE A220  e-mail: jillianecai@gmail.com


Syllabus:
1. Introduction (chapter 1)
2. Review of Linear Circuit Theory
3. Nonlinear Circuit Elements (chapter 3)
4. Nonlinear Circuit Applications (chapter 3)
5. Bipolar Junction Transistors (chapter 4)
6. Basic Bipolar Transistor Amplifiers (chapter 5)
7. MOS Transistors (chapter 6)
8. Basic MOS Transistor Amplifiers (chapter 7)
9. Operational Amplifiers as a Black Box (chapter 8)
10. Current Mirrors (chapter 9)

Exams:
1. R 10-10-13, 8-9:15, 2-page summary
2. R 11-07-13, 8-9:15, 3-page summary
3. R 12-19-13, 8-11, Final, 4-page summary

Grading:
The final grade will be computed as a weighted average of all quiz scores (30% total), two intermediate exams (20% each) and the final exam (30%). Note: There will be one quiz per lecture and 30% of the quiz score can be earned through participation.

Labs:
The electronics labs will be conducted by instructor-defined teams of 3 students. For further information regarding lab conduct and grading scheme, please consult the ELE339 web page at www.ele.uri.edu/courses/ele339/fall2013/