Southern Illinois University at Carbondale  
Fall 2009  
Syllabus: ECE 446 Electronic Circuit Design

Instructor:  
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Office Hours: MW 3:00–4:30 PM, and by appointment.

Lecture: MWF 11:00–11:50 AM, ENGR. A-222  
Labs:  T 1:00–3:30 PM, ENGR. E-237


Course Topics:  
BJT biasing and amplifiers {4 classes}  
FET biasing and amplifiers {4 classes}  
Single-stage amplifiers {5 classes}  
Differential amplifiers {6 classes}  
Frequency response of amplifiers {8 classes}  
Feedback: circuits and stability {9 classes}  
Multistage amplifiers {3 classes}  
Tuned amplifiers and oscillators {3 classes}

Evaluation:  
Quizzes (best 5/7) 25%  
Homework 10%  
Midterm Exam 20%  
Project 10%  
Final Exam 25%  
Lab 10%

Note:  
1. Students are responsible for all announcements made in the class.  
2. Emphasis will be given on the conceptual understanding of the subject-matter rather than on memorization of equations.