

**EECS 42 Introduction to Electronics for  
Computer Science  
Andrew R. Neureuther**

**Lecture #7 RC Transients in General**

- Easy Method [EECS42\\_Handout\\_RC](#)
- Examples including Pulse Shape

**Quiz 09/23/03, 20 min: in class**  
**Basic Circuit Analysis and Basic Transient**

See website  
for readings

**Midterm: 10/2 in class: Lectures 1-9**

**Closed book, closed notes, bring calculator, paper provided**

**Review Session: Class vote on 9/30 or 10/1 and time 5-6:30?**

**Lectures 9/23 and 9/25 by Professor T.J. King**

**<http://inst.EECS.Berkeley.EDU/~ee42/>**

## First Midterm Exam: Topics

- **Basic Circuit Analysis (KVL, KCL)**
- Equivalent Circuits and Graphical Solutions for Nonlinear Loads
- **Transients in Single Capacitor Circuits**
- Node Analysis Technique and Checking Solutions

**Exam is in class 9:40-10:45 AM, Closed book,  
Closed notes, Bring a calculator, Paper provided**

## Class Input on Midterm/Review

- Midterm Options
  - Option 1: 65 min and 23% of grade in course (Final is 49%)
  - Option 2: 80 min and 28% of grade in course (Final is 39%)
- Review Options
  - Date Tu 9/30 or Wed 10/1
  - Time 5-6:30 PM or Other