

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

**Lecture #7**

**RC Circuits: For **viewgraphs handed out in class**  
2/10/03 and on class web site under Lectures and  
then **EECS42\_Handout\_RC** “Charging and  
Discharging RC Circuits”**

- **Easy Method**
  - **Examples including Pulse Shape**
- <http://inst.EECS.Berkeley.EDU/~ee42/>

**Game Plan 02/05/03**

**Monday 02/10/03**

- ❑ **EC Response: Sketch/Trend, Exponential Solution**  
Schwarz and Oldham: 8.1, Handout\_RC VG 1-18

**Wednesday 02/12/03**

- ❑ **Easy Method; Examples including Pulse Shape**  
**Handout\_RC VG 19-28**

**Next (5th) Week**

- ❑ **Monday 2/17/03 is a UC Holiday (President's Day)**
- ❑ **Nodal Analysis**  
Schwarz and Oldham: pp. 53-58; 2.5- 2.6

**Problem Set #4 – Out 2/10/03 - Due 2/19/03 2:30 in box in 240 Cory**

**RC Circuits: 4.1 sketch/trend; 4.2 exp form; 4.3 3-R's; 4.4 pulse shape**