

## EECS 42 Introduction to Electronics for Computer Science

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### Lecture #6

**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"

- Sketch/Trend
  - RC Exponential Response
- <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