

KING FAHD UNIVERSITY OF PETROLEUM & MINERALS
Electrical Engineering Department

EE 205 ELECTRIC CIRCUITS II (031)

Textbook: *ELECTRIC CIRCUITS*, Nilsson & Riedel, 6th Edition, 2001

Week	Date	Topics	Text Section	Practice Problems
1	Sep. 13-17	Balanced three-phase circuits	11.1-11.3	
2	Sep. 20-25*	Balanced three-phase circuits	11.4-11.6	
3	Sep. 27 - Oct 1	Natural and step responses of RLC circuits	8.1-8.2	
4	Oct. 4-8	Natural and step responses of RLC circuits	8.3-8.4	
5	Oct. 11-15	Natural and step responses of RLC circuits. State equations and computer aided circuit analysis.	8.5 Handout	Ch. 7 Bobrow:
6	Oct. 18-22	State equations and computer aided circuit analysis	Handout	
Major I October 22 (Wednesday)				
7	Oct. 25-29	Resonant circuits	Handout	Ch 10 Bobrow:
8	Nov. 1-5	Resonant circuits Circuit analysis in s-domain	Handout	
9	Nov. 8-12	Circuit analysis in s-domain	Handout	
10	Nov30 - Dec3	Circuit analysis in s-domain Mutual inductance and transformers	Handout 6.4, 6.5	
11	Dec. 6 - 10	Mutual inductance and transformers	9.10, 9.11	
12	Dec. 13 -17	Filters and Bode plot	14.1-14.5	
Major II December 17 (Wednesday)				
13	Dec. 20 -24	Filters and Bode plot	14.6-14.7	
14	Dec. 27- 31	Two-port networks	18.1-18.2	
15	Jan. 3 - 7	Two-port networks and review	18.3-18.4	

* Normal Saturday Classes

Grade Distribution

2 Major Exams	40%
Final	35%
Quizzes, HW & Project	25% (Quiz 12%, HW 3%, Project 10%)

- **Official Excuses:** Any make up will require official excuses. Personal excuses will not be accepted. Excuses must be submitted within a week.
- **Absence:** University Rule: 6 unexcused absences → Warning; 9 unexcused absences → DN
- **Quizzes:** Quizzes will be given regularly based on the homework problems.

INSTRUCTOR:

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Office Hours

MTW 10:00 – 11:15 AM, (Sunday 10:00-11:15 AM with pre-arrangement)