

In the name of Allah, Most Gracious, Most Merciful.
KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS
Electrical Engineering Department



EE 201

ELECTRIC CIRCUITS, FALL 2007/2008 (071) Schedule

Text Book: *ELECTRIC CIRCUITS*, Nilsson & Riedel, Seventh Edition, 2005

Instructor: Abdallah S. Al-Ahmari, Office: 59-1084 Office Hours: (SMW: 10:00-11:00 am)

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Course web site in WebCT <http://webcourses.kfupm.edu.sa>

Wk	Date	Topics	Text	HW
1	8-12 Sep.	Circuits Variables, Sources, Ohm's Law, KCL, KVL	1.1-1.6, 2.1-2.4	1
2	15-19 Sep.	Dependent Sources, Resistive Circuits, Nodal Analysis	2.5, 3.1-3.4, 3-7, 4.1-4.2	2
3	22-26 Sep.	Nodal Analysis (Continue), Mesh Analysis	4.3-4.5	3
4	29-3 Oct.	Mesh Analysis, Source Transformation	4.6- 4.9	4
-Ramadhan & Eid Alfr Vacation				
5	20-24 Oct.	Thévenin and Norton Equivalent Circuits.	4.10-4.11	5
First Major Exam, Tuesday, 30th October 2007, 6:30 pm, (Sections 1.1-4.11)				
6	27-31 Oct.	Max. Power Transfer, Superposition.	4.12-4.13, 5.1-5.2	6
7	3-7 Nov.*	Operational Amplifiers	5.3-5.6	7
8	10-14 Nov.	Inductors, Capacitors, First Order Circuit	6.1-6.3, 7.1-7.2	
9	17-21 Nov.	First Order Circuits (Continued)	7.3-7.7	8
10	24-28 Nov.	Sinusoidal response, complex numbers.	9.1-9.2, App. B	9
11	1-5 Dec.	Frequency Domain Analysis	9.3-9.7	10
Second Major Exam, Monday, 10th December 2007, 6:30 pm, (Sections 4.12-7.7)				
12	8-12 Dec.	Frequency domain analysis(continued)	9.8-9.9, 9.12	11
Eid Al-Adhha Vacation				
13	29-2 Jan.	Average and reactive power, complex power	10.1-10.5	12
14	5-9 Jan.	Maximum power transfer.	10.6	13
15	12-16 Jan.	Review		14
19-29 January 2008 Final Examination				

* Last day for dropping the course with grade W is Tuesday 6th of November 2007

HW #1: 1.12 (a, b), 1.15, 1.17(a), 1.20, 2.8, 2.10, 2.16
 HW #2: 2.14, 2.18, 2.25, 2.29, 2.30
 HW #3: 3.7 (a), 3.8 (a, c), 3.9 (a), 3.25, 3.26, 3.27, 3.29 (a)
 HW #4: 4.9, 4.10, 4.17, 4.22, 4.25, 4.27
 HW #5: 4.31 (a), 4.33, 4.37, 4.38, 4.42, 4.55(a), 4.57 (a)
 HW #6: 4.59, 4.60, 4.61, 4.64, 4.66, 4.68
 HW #7: 4.77, 4.84, 4.86, 4.87, 4.90
 HW #8: 5.14, 5.17, 6.3, 6.4, 6.14, 6.18
 HW#9: 7.1, 7.3, 7.18, 7.22, 7.53, 7.63
 HW#10: 7.68, 7.89, 9.3, 9.4, 9.5, 9.8, 9.11
 HW# 11: 9.13, 9.15, 9.16, 9.23, 9.33
 HW# 12: 9.36, 9.38, 9.42, 9.53
 HW# 13: 10.1, 10.7, 10.10, 10.15, 10.17, 10.18
 HW# 14: 10.20, 10.29, 10.31, 10.33, 10.35

Grade Distribution:

Major Exams	30%
Class work	15%
Laboratory	20%
Final Exam (comprehensive)	35%

Important Points to Remember

1. **Homework:** Homework is to be solved completely by the students. Homework solutions will be posted on WebCT.
2. **Lab. Makeup:** No lab. makeup will be allowed without an official excuse.
3. **Attendance:** According to the university regulations, any student that exceeds 20% of the scheduled class meeting without an official excuse will receive a grade of DN in the course.
4. **Official excuses:** All official excuses must be submitted to the instructor no later than one week of the date of the official excuse. A late excuse may not be accepted by the instructor.
5. **Work:** This course is one of the most important courses in the Electrical Engineering Dep. and requires hard work and continuous attention. Therefore, it is advisable that students do extra efforts to understand it.