

**EE 201 ELECTRIC CIRCUITS**  
**SECTION 09 SMW 10:00-10:50 AM ( Classroom 7/201)**

INSTRUCTOR	OFFICE	PHONE	OFFICE HOURS	E-MAIL
<b>Dr. Mahmoud M. Dawoud</b>	14/277	2299	SMW 9:00 - 9:50 AM	<i>mmdawoud@kfupm.edu.sa</i>

*First Semester (011) Tentative Schedule*

Textbook: *ELECTRIC CIRCUITS*, Nilsson & Riedel, 6<sup>th</sup>. Edition, 1999

Wk	Date	Topics	Text	H.W.	Laboratory/Tutorial
1	03-05 Sept.	Circuits Variables, Sources	1.1-1.6,2.1	1	No Meeting
2	8-12 Sept.	Ohm's Law, KCL, KVL, Dependent Sources	2.2-2.5	2	Exp #1 Introductory Experiment
3	15-19 Sept.	Resistive Circuits, Nodal Analysis	3.1-3.4, 3.7,4.1.	3	Exp #2 Resistors
4	22-26 Sept.	Nodal Analysis (Continued), Mesh Analysis	4.2-4.5	4	Exp #3 Kirchoff's Laws
5	29 Sept-3 Oct.	Mesh Analysis, Source Transformation,	4.6-4.9,	5	Exp #4 Series and Parallel Elements
6	6-10 Oct	Thevenin And Norton Eq. Ckts.	4.10-4.11	6	No Exp.
<b>Major Exam I, Oct. 8 (Sections 1.1-4.9)</b>					
7	13-17 Oct.	Max. Power Transfer, Superposition.	4.12-4.13	7	Exp #5 The open and Short Circuits
8	20-24 Oct	Inductors, Capacitors, First Order Circuits	6.1-6.3,7.1-7.2	8	Exp #6 Network Theorems
9	27-31 Oct.	First Order Circuits (Continued)	7.3-7.7	9	Tutorial: Introduction to Pspice
10	3-7 Nov.	First Order Circuits (contd.), Sinusoidal Response, Complex Numbers	9.1-9.2, Appendix B.	10	Exp #7 Computer Simulation of a D.C. Circuit
11	10-14 Nov.	Operational Amplifiers	5.1-5.6		
12	17-21 Nov.	Frequency Domain Analysis.	9.3-9.7	11	Exp #8 Computer Simulation of a transient First Order Circuit
<b>Major Exam II, Nov 21 (Sections 4.10-9.2)</b>					
13	24-28 Nov.	Frequency Domain Analysis (continued).	9.8,9.9,9.12	12	Exp #9 Frequency Domain Analysis
14	1-5 Dec.	Average and Reactive Power, Complex Power	10.1-10.5	13	Exp #10 Average and RMS Values
15	29 Dec-2 Jan	Maximum Power Transfer, Selected Problems	10.6	14	Lab Test

Grade Distribution:

Major Exams	30%
Quizzes	15%
Laboratory	20% (3% Pre-Labs + 10% Lab Reports + 7% Lab Quizzes)
Final Exam	35%

Homework List

HW #1: 1.13, 1.15, 1.21, 2.6,2.9,2.12	HW #8: 5.10, 5.19, 6.4, 6.6, 6.14,6.30
HW #2: 2.13, 2.14, 2.21, 2.25, 2.27	HW #9: 7.6, 7.14, 7.19, 7.28, 7.58
HW #3: 3.8(a), 3.12,3.15, 3.46,3.51	HW #10: 7.65,7.88, 9.1, 9.2,9.3,9.6,9.8
HW #4: 4.5,4.9,4.23, 4.24, 4.26, 4.32	HW #11: 9.10,9.11,9.22,9.23
HW #5: 4.38,4.42,4.51, 4.53, 4.54	HW #12: 9.31, 9.35, 9.42, 9.50
HW #6: 4.55,4.58,4.59, 4.61, 4.66	HW #13: 10.1, 10.5, 10.10, 10.12
HW #7: 4.75, 4.76, 4.77, 4.90, 4.92	HW #14: 10.20, 10.21, 10.22, 10.31, 10.33

Important Points to Remember

- Home-work: The homework assignments are to be solved by the students. However, homework solution will not be collected. Instead, a quiz related to the homework problems is expected in the week following the homework assignment date. Homework solutions will be posted in building 26, in the bulletin board between rooms 248 and 249. A copy will be available in B-21 photocopy area.
- Pre-Labs: Each student must submit the pre-lab. Assignment at the beginning of each lab. (no pre-labs. for the first two experiments). No pre-lab. will be accepted if the lab. instructor has already started the experiment.
- Lab. Makeup: No lab. make-up will be allowed without an official excuse.
- 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.
- Official excuses: All official excuses must be submitted to the instructor no later than one week of the date of the official excuse. The instructor may not accept a late excuse. Personal excuses will not be entertained.