

EE 201 (Section 1) ELECTRIC CIRCUITS I
First Semester (081) revised Tentative Schedule

Textbook: *ELECTRIC CIRCUITS*, Nilsson & Riedel, 7th Edition, 2005.

Instructor: Dr. Alakhdhar, S. Zaki

Office: 59-1086 **Hours:** **S.M.** 10:00-10:50 AM and 12:00-12:30 PM (or by appointment)

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Course web site in WebCT <http://webcourses.kfupm.edu.sa> My Web: <http://faculty.kfupm.edu.sa/ee/zakiha/>

Week	Date	Topics	Text	H.W.
1	11-15 Oct. 2008	Circuits Variables, Sources, Power and Energy	1.1-1.6, 2.1	1
2	18-22 Oct.	Ohm's Law, KCL, KVL, Dependent Sources	2.2-2.5	2
3	25 – 29 Oct.	Resistive Circuits, Nodal Analysis	3.1-3.4,3.7, 4.1	3
4	1 – 5 Nov.	Nodal Analysis (Continued), Mesh Analysis	4.2-4.5	4
Major Exam I (Sections 1.1-4.5). Tuesday 18 November 2008 , 8:00-10:00 PM				
5	8 – 12 Nov.	Mesh Analysis, Source Transformation	4.6-4.9	5
6	15 – 19 Nov.	Thevenin and Norton Equivalent Circuits	4.10-4.11	6
7	22 – 26 Nov.	Maximum Power Transfer, Superposition	4.12-4.13,5.1-5.2	7
8	29 Nov.- 2 Dec.	Operational Amplifiers	5.3-5.6	
9	15 - 18 Dec.	Inductors, Capacitors, First Order Circuits	6.1-6.3,7.1-7.2	8
10	20 - 24 Dec.	First Order Circuits (Continued)	7.3-7.7	9
Major Exam II (Sections 4.10-7.7). Wednesday 31 December 2008, 8:00-10: 00 PM				
11	27 - 31 Dec.	First Order Circuits (contd.), Sinusoidal Response, Complex Numbers	9.1-9.2, App. B.	10
12	03 - 07 Jan. 2009	Frequency Domain Analysis	9.3-9.7	11
13	10 - 14 Jan.	Frequency Domain Analysis (continued)	9.8, 9.9, 9.12	12
14	17 - 21 Jan.	Average and Reactive Power, Complex Power	10.1-10.5	13
15	24 - 28 Jan.	Maximum Power Transfer	10.6	
Final Examination 1 – 11 February 2009				

- Eia Al-Adha 3-13 December 2008

Grade Distribution:

Two Major Exams	15%+15% = 30%
Homework & Quizzes	10%
Design Problem	5%
Laboratory	20%
Final Exam (comprehensive)	35%

Homework List:

Weekly Homework will be posted on WebCT.

All solutions will be posted on WebCT

Important Points to Remember:

1. Home-work: The homework assignments are to be solved completely by the student.
2. Homework solutions will be posted on webct.
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. The instructor may not accept a late excuse.
5. All EE201 **ON-LINE Lectures** will be available through Web-CT. You are strongly encouraged to review those online lectures to enhance your understanding of the course material. A Survey will be conducted towards the end of the semester