

EE 201 ELECTRIC CIRCUITS I
Second Semester (062) Tentative Schedule

| INSTRUCTOR | OFFICE | PHONE | OFFICE HOURS | E-MAIL |
|---------------------------|---------|----------|---------------------------------------|---------------------|
| Dr. Samir H. Abdul-Jauwad | 59-1070 | 860-2337 | MW 13:30-14:30AM Or by Appointment | samara@kfupm.edu.sa |

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

| Week | Date | Topics | Text | H.W. |
|---|-------------------|---|-------------------|------|
| 1 | 17-21 Feb. 2007 | Circuits Variables, Sources, Power and Energy | 1.1-1.6, 2.1 | 1 |
| 2 | 24-28 Feb. | Ohm's Law, KCL, KVL, Dependent Sources | 2.2-2.5 | 2 |
| 3 | 03 – 07 March | Resistive Circuits, Nodal Analysis | 3.1-3.4,3.7, 4.1 | 3 |
| 4 | 10 – 14 March | Nodal Analysis (Continued), Mesh Analysis | 4.2-4.5 | 4 |
| Major Exam I (Sections 1.1-4.5). Monday 19 March , 6:30-8:00PM | | | | |
| 5 | 17 – 21 March | Mesh Analysis, Source Transformation | 4.6-4.9 | 5 |
| 6 | 24 – 28 March | Thevenin and Norton Equivalent Circuits | 4.10-4.11 | 6 |
| 7 | 31March - 4 April | Maximum Power Transfer, Superposition | 4.12-4.13,5.1-5.2 | 7 |
| 8 | 07 -11 April | Operational Amplifiers | 5.3-5.6 | |
| 9 | 14 - 19 April | Inductors, Capacitors, First Order Circuits | 6.1-6.3,7.1-7.2 | 8 |
| 10 | 21 -26 Aril | First Order Circuits (Continued) | 7.3-7.7 | 9 |
| Major Exam II (Sections 4.10-7.7). Saturday 28 April, 6:30-8:300PM | | | | |
| 11 | 28 April- 2 May | First Order Circuits (contd.), Sinusoidal Response, Complex Numbers | 9.1-9.2, App. B. | 10 |
| 12 | 05 - 09 May | Frequency Domain Analysis | 9.3-9.7 | 11 |
| 13 | 12 – 16 May | Frequency Domain Analysis (continued) | 9.8, 9.9, 9.12 | 12 |
| 14 | 19 – 23 May | Average and Reactive Power, Complex Power | 10.1-10.5 | 13 |
| 15 | 26 – 30 May | Maximum Power Transfer | 10.6 | |
| Final Examination 4 – 14 June 2007 | | | | |

- Midterm Vacation 12-15 April 2007

Grade Distribution:

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| Major Exams | 15%+15% = 30% |
| Homework & Quizzes | 10% |
| Design Problem | 05% |
| Laboratory | 20% |
| Final Exam | 35% |

Homework List:

Weekly Homework will be posted on WebCT and homepage.

All solutions will be posted on WebCT & <http://faculty.kfupm.edu.sa/EE/samara/>

Important Points to Remember:

1. Home-work: The homework assignments are to be solved completely by the students.
2. Homework solutions will be posted on the following link: <http://faculty.kfupm.edu.sa/ee/samara/>
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 course lectures are available online through the Web-CT. You are strongly encouraged to systematically review those online lectures to enhance your understanding of the course material.