King Fahd University of Petroleum and Minerals Electrical Engineering Department EE205: ELECTRIC CIRCUITS II Dr. Abdelmalek Zidouri Second Semester 2006-2007 (061)

A. Course Information

Text Book:	ELECTRIC CIRCUITS, Nilsson & Riedel, 6 th Edition, 1999								
Course	Name,			Off	fice	Phone Offic		e Hours	Sections
	Email address								
Instructors:	Dr. Abdelmalek Zidouri			14/2	09-1	3677	SMV	V 10-11	1, 2
	malek@kfupm.edu.sa					M 13-14			
Grading:	Attendance, Assignme	ents and Quizzes		Proj	jects	Two Majo		ors	Final
	15%			10)%	40%			35%
	First Major	Secor	nd Major		Projec	rojects Due Dates Fin		nal	
Exams Dates:	Mon. Oct. 30, 2006	Mor	n. Dec. 11, 2006			TBA			
Exams Times:	5:00-6:30 pm	5:	5:00-6:30 pm						
Exams Places:									
Important	Last day to drop the co	ourse	rse Last day		y to drop the course		Last day to drop all courses		
Dates:	without a permanent record		with "W" grade			with "W" Thru Registrar's			
						office.			
	Sept. 19, 2006		Nov. 7, 2006			Nov. 29, 2006			

- **Note #1:** Final Exam is comprehensive (i.e. covers all chapters as described in the syllabus). It is common to all sections.
- **Note #2:** According to the rules and regulations of KFUPM, attendance is **MANDATORY**. More than **8** unexcused absences will be reported to the registrar office and result in a **GRADE of DN** regardless of the student's grade.
- **Note #3:** It is your responsibility to solve the homework as soon as the material is covered in the class. Homework solution will be published on WebCT. Quizzes will be given regularly based on the homework problems.
- **Note #4:** You are urged to use **your instructor's** office hours whenever is possible. To help you further I will arrange for some problem solving sessions. Date and time will be announced in class.
- **Note #5:** You can access the homework solutions and any other supplement material, communication items, and any *course information* at your instructor's WebCT course page.

Week	Date	Topics	Text	Homework				
			Section	Problems				
1	Sept. 9-14	Introduction to 3-\u03c6 circuits	11.1-11.3					
2	Sept. 16-20	Balanced three-phase circuits	11.4-11.6	11:6,7,11,20,21				
3	Sept. 24-27	Natural and step responses of RLC circuits	8.1-8.2	11:24,27,28,38,39				
4	Sept. 30-Oct.4	Natural and step responses of RLC circuits	8.3-8.4	8:3,4,10,12				
5	Oct. 7-11	Natural and step responses of RLC circuits.	8.5	8:25,28,32,37,45				
		State equations and computer aided circuit analysis.	Handout*					
EID ALFITR Break								
6	Oct. 28-Nov. 1	State equations and computer aided circuit analysis	Handout	Ch. 7 Bobrow:				
				6,9,21,25,38,40				
Major I Oct. 30, 5:00-6.30 pm (B14-108); Up to sec. 8.5								
7	Nov. 4-8	Resonant circuits	Handout	Ch 10 Bobrow				
8	Nov. 11-15	Resonant circuits, Circuit analysis in s-domain	Handout	23,26,27,33,40,42				
9	Nov. 18-22	Circuit analysis in s-domain	Handout	Ch 10 Bobrow:				
				50,53,54				
10	Nov. 25-29	Circuit analysis in s-domain	Handout	6:35,36,37,39,40				
		Mutual inductance and transformers	6.4-6.5					
11	Dec. 2-6	Mutual inductance and transformers	9.10, 9.11	9:60,61,63,68				
Major II Dec. 11, 5:00-6.30 pm (B14-108); Up to Transformers 9.11								
12	Dec. 6-13	Filters and Bode plot	14.1-14.4	14:2,4,7,8,12				
13	Dec. 16-20	Filters and Bode plot	14.6-14.7	14:31,32,33(c),34				
EID ALADHA Break								
14	Jan. 6-10	Two-port networks	18.1-18.2	18:2,3,10,11				
15	Jan. 13-17	Two-port networks and Review	18.3-18.4	18:19,20,30,38				

B. Tentative Course Outline and Schedule

* Handouts can be downloaded from your WebCT course pages.