

KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS
ELECTRICAL ENGINEERING DEPARTMENT
EE 340 SECOND SEMESTER 200x-200x (xxx)
TENTATIVE SCHEDULE

Coordinator Dr. Essam Hassan, sections (5). Office 14-273, tel. 2370, email: ehassan@kfupm.edu.sa

Instructors:

Dr. Husain Masoudi, section (1). Office 14-262, Tel: 4984, email: Husainm@kfupm.edu.sa

Dr. Ahmed Yamani, section (2). Office 14-280, Tel: 2463, email: Myamani@kfupm.edu.sa

Dr. Hassan Ragheb, section (3). Office 14-258-2, tel. 2972, email: hragheb@kfupm.edu.sa

Dr. Hussain Jamid, section (4). Office 14-267, tel. 2141, email hajamed@kfupm.edu.sa

Textbook: M. Sadiku, "Elements of Electromagnetics", 3rd. Edition.

Chapters 1 through 11 will be covered, the following sections are excluded:

Chapter	Exclude
5	5.7
6	6.3, 6.6
7	7.8
8	8.3, 8.4, 8.6, 8.10 and 8.11
9	9.6

Grading Policy:

Two Major Exams:	30%
Laboratory:	20%
Quizzes and/or homework s	17%
Design Problem	3%
Final Exam:	30%

Homework Assignment:

Date	Week	Homework Problems	Remarks
Feb. 12-16	1	1.4, 1.9, 1.21, 1.22, 2.4, 2.6, 2.15	
19-23	2	3.8, 3.12, 3.16, 3.17, 3.31, 3.33, 3.35(a)	
26-2 March	3	4.3, 4.10, 4.12, 4.17, 4.23, 4.24	
5-9	4	4.29(a,c), 4.30, 4.32, 4.34, 4.39	
12-16	5	5.3, 5.27(a,c), 5.31, 5.32	
19-23	6	6.11, 6.12, 6.28, 6.30, 6.35	Mid Term Grades, March 22
26-30	7	7.9, 7.12, 7.17, 7.19, 7.20	Mar. 27 First Major 7-9pm March 29, last date to drop courses with grade W
April 2-6	8	7.21, 7.26, 7.28, 7.33, 8.7	
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16-20	9	8.26, 8.28, 8.30, 8.33, 8.34	
23-27	10	9.3, 9.6, 9.7, 9.10, 9.16	
30-4 May	11	10.1, 10.10, 10.11, 10.16, 10.18	
7-11	12	10.3, 10.4, 10.5, 10.7, 10.8, 10.19	May 8, Second Major 7-9pm
14-18	13	10.26, 10.27, 10.31, 10.32(a,b), 10.36, 10.37	
21-25	14	10.40, 10.42, 10.44	
28-1 June	15	11.3, 11.5, 11.6, 11.7, 11.9	

Important Notes:

1. **Major Exams** are scheduled as above. Make-up exams will not be given under any circumstance except with an official excuse.
2. For home work solutions, visit <http://faculty.kfupm.edu.sa/ee/hajamed/>
3. Homework assignments will not be collected. Instead, quizzes related to these assignments will be given every Wednesday in the **week following** the home work assignment due date. Further, your instructor may assign extra homework when deemed necessary.
4. **Only official** excuses will be accepted and only if they were given to the instructor within the **first two weeks** of the date of the excuse. Late excuses will not be considered.

Office Hours for Dr. Essam Hassan: 9-10 AM and 2-3 PM (SM) and 10-12 AM (UT), OR BY APPOINTMENTS

King Fahd University of Petroleum and Minerals

Electrical Engineering Department

EE-340, Electromagnetics, Lab Schedule

Lab Coordinator: Muhammad Ajmal Khan

Lecturer, Electrical Engineering Department, KFUPM.

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URL: <http://faculty.kfupm.edu.sa/ee/ajmal>

Week	Date	Exp No.	Title
1	11 – 15 Sep.		No Lab
2	18 – 22 Sep.		Problem Session 1
3	25 – 29 Sep.		Problem Session 2 and Software Lab 1
4	2 – 6 Oct.		Problem Session 3 and Software Lab 2
5	9 – 13 Oct.	1	Electric Field & Potential Inside the Parallel Plate Capacitors
6	16 – 20 Oct.	2	Capacitance & Inductance of Transmission Lines.
7	23 – 27 Oct.	3	Simulation of Electric Field and Potential Inside Capacitors.
8	30 Oct – 3 Nov		No Lab
9	20 – 24 Nov.	4	Magnetic Field Outside A Straight Conductor.
10	27 Nov – 1 Dec	5	Magnetic Field of Coils.
11	4 – 8 Dec.	6	Magnetic Force on A Current Carrying Conductor.
12	11– 15 Dec.	7	Magnetic Induction
13	18 – 22 Dec.	8	EM Wave Demonstration, Radiation, and Radiation Pattern of A Horn Antenna.
14	25 – 29 Dec.	9	EM Wave Transmission and Reflection. + LAB FINAL EXAM
15	1 – 3 Jan.		No Lab

Lab 20 Points Distribution:

Lab Report = 5

Lab Performance = 3

Problem Session Quiz = 2

Computer Assignment = 2

Quiz on Experiments = 2

Lab Final = 6