

# King Fahd University of Petroleum and Minerals

## Electrical Engineering Department EE-340, Electromagnetics, Lab Schedule

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

### Lab 20 Points Distribution:

Lab Report = 5  
 Lab Performance = 3  
 Problem Session Quiz = 2  
 Computer Assignment on Experiment # 3 = 2  
 Quiz on Experiments = 2  
 Lab Final = 6