

King Fahd University of Petroleum and Minerals

Department of Mathematics and Statistics

**SYLLABUS Math 550**

Semester 111, 2011-2012

(Dr. M. Halic )

<b>Course #:</b>	Math 550
<b>Title:</b>	Linear Algebra
<b>Prerequisites</b>	Math 280 and Math 345
<b>Textbook:</b>	Linear Algebra: by K. Hoffman - R. Kunze, 2 <sup>nd</sup> ed.
<b>Objectives:</b>	This is a first-year graduate level course in Linear Algebra.
<b>Grading policy:</b>	<b>Class-Work : 20% (Quiz = 12% + HW = 6% + Attendance = 2%)</b> <b>Exam 1 : 24%</b> <b>Exam 2 : 24%</b> <b>Final Exam : 32%</b>
<b>Homework:</b>	The only way to <i>learn</i> mathematics is to <i>do</i> mathematics. The homework assignments <b><i>will be collected</i></b> once a week (on Monday) <b><i>in the class</i></b> .
<b>Missing an Exam:</b>	There will be <b><i>no makeup quiz/exam</i></b> under any circumstance. If a student misses a quiz/an Exam for a legitimate reason (medical <b><i>emergency, major</i></b> family problems), his grade for this quiz/exam will be determined on the basis of his average performance in the quizzes. In such cases, students <b><i>must provide an official excuse within 7 days</i></b> of the missed quiz/exam.

## Timetable

Weeks	Dates	Lectures	Sections
1	Sept. 10 – 14	Lecture 1	1.1, 2.1, 2.2 (review)
		Lecture 2	2.3
2	Sept. 17 – 21	Lecture 3	2.4
		Lecture 4	3.1, 3.2
3	Sept. 24 – 28	<b>National Day</b>	
		Lecture 5	3.3, 3.4
4	Oct.01 – 05	Lecture 6	3.5
		Lecture 7	3.6, 3.7
5	Oct. 08 – 12	Lecture 8	6.1, 6.2
		Lecture 9	6.3
	<b>Oct. 12<sup>th</sup>, 2011</b>	<b>Midterm Exam #1</b>	<b>1.1 – 3.7</b>
6	Oct. 15 – 19	Lecture 10	6.4
		Lecture 11	6.5
7	Oct. 22 – 26	Lecture 12	6.6
		Lecture 13	6.7
8	Oct. 29 – 31	Lecture 14	6.8
	<b>Nov. 01 – 11</b>	<b>Id al-Fitr vacation</b>	
8	Nov. 12 – 16	Lecture 15	7.1, 7.2
		Lecture 16	7.1, 7.2 (continued)
9	Nov. 19 – 23	Lecture 17	7.3
		Lecture 18	7.4, 7.5
10	Nov. 26 – 30	Lecture 19	7.4, 7.5 (continued)
		Lecture 20	8.1, 8.2
	<b>Nov. 30<sup>th</sup>, 2011</b>	<b>Midterm Exam #2</b>	<b>6.1 – 7.5</b>
11	Dec. 03 – 07	Lecture 21	8.1, 8.2 (continued)
		Lecture 22	8.3
12	Dec. 10 – 14	Lecture 23	8.4
		Lecture 24	8.5
13	Dec. 17 – 21	Lecture 25	9.5 (partly)
		Lecture 26	10.1
14	Dec. 24 – 28	Lecture 27	10.2
		Lecture 28	10.3
15	Dec. 31 – Jan. 02	Lecture 29	Review of the course
		Lecture 30	Review of the course