

**King Fahd University of Petroleum and Minerals**  
**Department of Electrical Engineering**  
**EE 207 Signals and Systems**  
**Second Semester 2003-2004**

**INSTRUCTOR:**

Dr. A. Zidouri , Office: 14-209-1, Tel: 860 3677, e-mail: [malek@kfupm.edu.sa](mailto:malek@kfupm.edu.sa)

**OFFICE HOURS:**

SMW from 11:00 to 11:50 and 12:00 to 12:30 or by prior appointment.

<b>Weeks</b>	<b>Content</b>	<b>Sections from Text</b>	<b>Homework Problems</b>
<b>1</b>	An introduction to continuous time signals and systems	1.1, 1.2, 1.3, 1.4	
<b>2-3</b>	System analysis in the time domain	2.1, 2.2, 2.3, 2.4 2.5, 2.6, 2.7, 2.8	Ch.1: 8, 9, 10, 11, 18, 20, 22, 36
<b>4-6</b>	Fourier series & applications	3.1, 3.2, 3.3 3.4, 3.5, 3.6 3.7, 3.8, *3.10	Ch.2: 2, 4, 10, 11, 23, 32
<b>7-9</b>	Fourier transform & applications	4.1, 4.2, 4.3 4.4, 4.5, 4.6 4.7, 4.8, 4.9, *4.11	Ch.3: 4, 8, 10, 13, 17, 20
<b>10-12</b>	Laplace transform and applications	5.1, 5.2, 5.3 5.4, 6.1, 6.2 6.3, 6.4	Ch.4: 1, 6, 8, 12, 16, 20 Ch.5: 1, 4, 8, 10, 13, 15b,d, 18, 27
<b>13-15</b>	Analysis of discrete time signals and systems	8.1, 8.2 8.3, 8.4 8.4, 8.5	Ch.6: 1, 2, 3, 4, 6, 8, 10 Ch.8: 1, 3, 9, 19, 29, 32

**PREREQUISITE: EE 201**

**GRADING POLICY:**

Quizzes, Homework, and Attendance:	15%
Exam 1:	20% (March 27, 6:00-8:00 PM)
Exam 2:	20% (May 3, 6:00-8:00 PM)
Project & MATLAB:	10%
Final Exam:	35%

**TEXT BOOK:**

Ziemer, RE, Tranter, WH, and Fannin, DR, (1998) “*Signals and Systems: Continuous and Discrete*”, Prentice Hall.