

King Fahd University of Petroleum and Minerals  
 Department of Mathematical Sciences  
**SYLLABUS**  
 Semester II, 2016-2017 (162)  
 Dr. Mohammad Zuheir Abu-Sbeih

**Course #:** Math 425

**Title:** Graph Theory

**Textbook:** Graphs & Digraphs by G. Chartrand and L. Lesniak, 5th edition, 2011.

**Lecturer Name:** Mohammad Zuheir Abu-Sbeih

**Homework Exercises:**

Section	Exercises	Hand Ins
1.1	8,12,13,14,21	7,18
1.2	1,3,6(a),8,	7,9,11
1.3	4,11,17,20,27	10(a), 13, 14, 26, 37
1.4	3,8,15,16	7,11,14
2.1	1,10	5,8,9
2.2	1,10,14,16,19	8,11,17
2.3	1,2,5,15,17,18	3,12,13,16,25
2.4		2,5,9,11,14
2.5	5,14	4,6,10,15
3.1	5,6	3,4,7,8
3.2	4,5,14,20,27	2,3,7,8,13,16,18,22,26
3.3	1,2,19	3,7,12,14
4.1	14,18	4,8,9,12,16,17,19
4.2	3,8,17,23	5,6,11,16,18, 21, 26, 27
4.3	6	3, 10b
5.2		4,7,8
6.1	2,5,7,10	4,8,9,11,14
6.2	8,16	7,11,12,15
6.3		4,6,7
6.4		1,2,4
10.1		2,4,5,13,15
10.2		3,9