King Fahd University of Petroleum and Minerals, Chemistry Department

Second Semester (112)   **CHEM 101**   **2011/12**

Lecture and Lab Schedule

Textbook: Chemistry by J. Burdge, 1st and 2nd Edition

Wk	Date	Day	Lec.	Chapter	Sec.	Homework	Laboratory
1	Jan 28	S	1	1	1-2	Ch 1: 39, 44,50,56, 59,71	No Lab
	30	M	2	1	3-4		
	Feb 1	W	3	1	5-6		
2	4	S	4	2	1-3	Ch 2: **16,38,53, 61,70,71,75** (1st Ed)	The Laboratory and SI (Dry lab 1) page # 37
	6	M	5	2	4-6	Ch 2: **22,44,59,67,76,77,81** (2nd Ed)	
	8	W	6	2	7		
3	11	S	7	3	1-2	Ch 3: 13,36,46,56,66,77,97	Basic laboratory Operation (Expt. 1) page # 45
	13	M	8	3	3-4		
	15	W	9	3	5-6		
4	18	S	10	3	7		Identification of a compound: Chemical (Expt. 2) page # 53
	20	M	11	4	1-2	Ch 4: 21,30,44,53,68,83,88	
	22	W	12	4	3-4		
5	25	S	13	4	5-6		Water analysis (Expt. 3) page # 61
	27	M	14	5	1-2	Ch 5:24,34,47,58,62,73	
	29	W	15	5	3-4		
6	3 March	S	16	Review			Percent of water in a hydrated salt (Expt. 5) page # 79
	March 04 (Sunday) Bldg 54 (Near Riyadh Bank) 8:00 PM [Ch 1 to 4]						
	5	M	17	5	5-6		
	7	W	18	6	1-3	Ch 6: 5,19,34,44,64,77,92	
7	10	S	19	٦	4-5		Limiting reactant (Expt. 8) page # 117
	12	M	20	6	6-7		
	14	W	21	6	8-9		
8	17	S	22	7	1-2	Ch 7: 25, 40, 58,68,81,101	A volumetric analysis (Expt. 9) page # 127
	19	M	23	7	3-4		
	21	W	24	7	5-6		
	24-28 March March Midterm Vacation						
9	31	S	25	8	1-3	Ch 8:32,40,48,53,**68,73** (1st)	Vinegar analysis (Expt. 10) page # 137
	April 2	M	26	8	4-5	Ch 8:32,40,48,53,**70,77** (2nd)	
	4	W	27	8	6-7		
10	7	S	28	8	8-9		Calorimetry (Expt. 25) page # 287
	9	M	29	٩	1-2		
	11	W	30	٩	3-4	Ch 9: 8,17,39,51,66	
11	14	S	31	Review			Chemistry of Copper (Expt. 28) page # 317
	April 15 (Sunday) Bldg 54 (Near Riyadh Bank) 8:00 PM [Ch 5 to 8]						
	16	M	32	٩	5-6		
	18	W	33	٩	٧	Ch 11: 25,43,54,66,82,94	
12	21	S	34	11	1-2		Molar mass of a volatile compound (Expt. 12) page # 167
	23	M	35	11	3-4		
	25	W	36	11	5-7		
13	28	S	37	12	1-2		**Final Lab test**
	30	M	38	12	3-4		
	May 2	W	39	12	5-6	Ch 12: 13,16,32,**45,57**,97 (1st)	
14	5	S	40	12	7	Ch 12: 13,16,32,**49, 61**, 97 (2nd)	No lab
	7	M	41	13	1-2		
	9	W	42	13	3-4		
15	12	S	43	13	5-6	Ch 13: 18,32,37,56,63,70,83	No lab
	14	M	44	Review			
	16	W	45	Review			

Note: **Sections 7.7 and 13.7 is reading assignment and will not be covered in the lecture.**

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GENERAL INFORMATION
<u>**Chemistry by J. Burdge, 2nd Edition**</u>

1. Homework

Students are strongly advised to do the homework problems assigned from the textbook. Solutions of the homework will be posted on the CHEM 101 bulletin board located outside the auditorium (4-125).

2. Quizzes and Exams

Quizzes will be given in the recitation classes and exams will be common. WebCT may also be used for quizzes. The problems in quizzes and exams can be related to any material mentioned in the syllabus.

3. Online Study Center

It is strongly recommended that students make use of **online study center** of the textbook at www.kfupm.edu.sa/chem/gchem website. This is extremely helpful in the visualization of concepts using animations, videos, molecular models and problem solving strategies.

4. General Policy on attendance and make-ups

(a) Attendance in the classes will be taken within five minutes of the beginning of the class.

(b) **"DN"** grade will be given to any student:
- Exceeds **9** unexcused or **15** excused/unexcused absences in the lecture classes
  (OR)
- Has **3** unexcused or **5** excused/unexcused absences in the laboratory classes

- Officially authorized excuse of absences must be presented to the instructor **no later than one week** following the resumption of class attendance.

(b) **No Make-up** will be given for the majors, quizzes and labs.

5. Grade Distribution

Component	Points	Percent (%)
First major	60	15
Second major	60	15
Laboratory work	100*	25
<u>Classwork</u>		
(a) Quizzes	70**	17.5
(b) Attendance	10***	2.5
Final Exam	100	25
Total	400	100

(*) Normalized to an average of 75
(**) Normalized to an average of 45.5
(***) One point will be deducted for each unexcused absence.