King Fahd University of Petroleum and Minerals
CHEM 101 Lecture Schedule
Second Semester , 2005-2006 (052)

Weak	Lec.	Day	Date	Chapter	Sec.	Lab.	Homework
1	01	Mon	Feb. 13	1	1-5	No Lab	Chapter 1: 24,26,28,30,36,48,54,62,76.
	02	Wed	15	1	6-9		
	03	Thr	16	2	1-3		
2	04	Sat	18	2	4-6	Lab # 1 Dry Lab 1: The Laboratory and SI	Chapter 2: 26,28,35,42,44,50,62,66,70.
	05	Mon	20	2	7-8		
	06	Wed	22	3	1-3		
3	07	Sat	25	3	4-5	Lab # 2 Exp # 1: Basic Laboratory Operation	Chapter 3: 24,28,34,50,54,60,64,78,80, 87,92,98.
	08	Mon	27	3	6-7		
	09	Wed	Mar. 01	3	8-9		
4	10	Sat	04	4	1-4	Lab # 3 (Final Exam) Exp # 3: Water Analysis	Chapter 4: 17,20,26,30,42,46,50,58,62, 64,66.
	11	Mon	06	4	5-7		
	12	Wed	08	4	8-10		
5	13	Sat	11	5	1-3	Lab # 4 Exp # 6: Percent of Water in a Hydrated Salt	Chapter 5: 26,32,38,44,48,52,54,64,70, 74,78,82.
	14	Mon	13	5	4-5		
	15	Wed	15	5	6-7		
6	16	Sat	18	5	7-8	Lab # 5 (Final Exam) Exp # 8: Limiting Reactant	Old Major Exam (Chap 1-5)
	17	Mon	20	Review (Chap 1-5)			
	First Major Exam - Tuesday - Mar 21						
	18	Wed	22	6	1-2		
7	19	Sat	25	6	3	Lab # 6 Exp # 18: Molar Mass of a Volatile Liquid	Chapter 6: 18,22,28,33,38,48,52,56,60, 66,70,74.
	20	Mon	27	6	4		
	21	Wed	29	7	1-3		
8	Midterm Break - 01 & 02 April					No Lab	
	22	Mon	03	7	4-5		
	23	Wed	05	7	6-9		
9	24	Sat	08	7	10-11	Lab # 7 (Final Exam) Exp # 21: Calorimetry	Chapter 7: 40,46,48,52,64,70,78,82,86, 96,104.
	25	Mon	10	7	11-12		
	26	Wed	12	8	1-3		
10	27	Sat	15	8	4-6	Lab # 8 Exp # 9: A Volumetric Analysis	Chapter 8: 22,28,36,42,48,58,62,72,78, 88,90,94.
	28	Mon	17	8	7-9		
	29	Wed	19	8	10-11		
11	30	Sat	22	8	12-13	Lab # 9 (Final Exam) Exp # 10: Vinegar Analysis	Old Major Exam (Chap 6-8)
	31	Mon	24	Review (Chap 6-8)			
	Second Major Exam - Tuesday - Apr 25						
	32	Wed	26	9	1		
12	33	Sat	29	9	2-3	Lab 10 Exp # 17: Synthesis of an Alum	Chapter 9: 14,20,22,28,32,36,38,46.
	34	Mon	May 01	9	3-4		
	35	Wed	03	9	4-5		
13	36	Sat	06	10	1-2	Lab # 11 Exp # 20: Molecular Mass of a Solid	Chapter 10: 36,46,52,60,63,68,76,78,80, 86,87.
	37	Mon	08	10	3-4		
	38	Wed	10	10	6-8		
14	39	Sat	13	10	8-9	Lab Test	Chapter 11: 26,32,38,46,52,58,64,70,72, 74.
	40	Mon	15	11	1-2		
	41	Wed	17	11	3-4		
15	42	Sat	20	11	4-5	No Lab	Old Final Exam (Chap 1-11)
	43	Mon	22	11	6-7		
	44	Wed	24	Review (Chap 1-6)			
16	45	Sat	27	Review (Chap 7-11)			

NOTE: Sections 5.9, 6.5, 6.6, 7.13, and 10.5 are reading assignments and thus will not be covered in lecture.

CHEM 101 SECOND SEMESTER (052) 2005/2006
GENERAL INFORMATION
CHEMISTRY (6th Edtn) Zumdahl AND LABORATORY MANUAL (7th Edtn) Beran

1. Homework: Students are advised to do the homework problems assigned from the textbook . Solutions to the homework problems will be posted on the CHEM 101 bulletin board located outside Room # 4-125 after the completion of each chapter as well as on the webpage of the General Chemistry courses: ***http://www.kfupm.edu.sa/chem/gchem.html***

2. Quizzes, and Exams: ***Quizzes*** will be given in the recitation classes and ***Exams*** will be common. The quiz and exam's materials covered to that time per chapter including problems from homework or the reading materials listed below the lecture schedule. Working samples are posted on the webpage of the General Chemistry courses: ***http://www.kfupm.edu.sa/chem/gchem.html***

3. Laboratory Manual for Principles of General Chemistry, by J. A. Beran,

A. The assigned experiments under Lab section in the lecture schedule are arranged to correlate with the material in chapters 1-11 of the general chemistry textbook by Zumdahl .

B. The most common cause of FAILURE in the Lab is the number of absences . The THIRD absence (OR Fifth including Official Excuses) from Lab will result in a grade of "DN" in the Chemistry courses.

C. Laboratory grade will be based on a maximum of 100 points that will be distributed as follows :

i. **Prelaboratory Assignment--10 points**
ii. **Experiment Report Sheet--65 points**
iii. **Final Lab Exam --25 points** (10 points for written test & 15 points for Expt.)

4. CD-ROM: It is strongly recommended that students make use of the CD-ROM tools accompanying the textbook. They are extremely helpful in the visualization of concepts using animations, videos and molecular models. The problem solving strategies are well illustrated and varieties of exercises and tests are proposed.

5. General Policy on attendance and make-ups:

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

(b) A ***DN*** grade will be given to any student exceeding :

- 9 unexcused absences in the lecture .
- **OR** 3 unexcused absences in the laboratory experiments .

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

(c) No make-ups for the Exams or the Quizzes will be given .

6. Final Grade Distribution:

Component	Points
First Major	**50**
Second Major	**50**
Laboratory Work	**100***
Class Work:	
(a) Quizzes	**90****
(b) Attendance	**10**
Final Exam	**100**
Total	**400**

(*) Normalized to an average of 75 ± 7.5
(**) Normalized to an average of 58.5