

**Lecture and Lab Schedule**

**Textbook: Chemistry by Zumdahl & Zumdahl, 7<sup>th</sup> Edition**

Wk	Date	Day	Lec.	Chapter	Sec.	Homework	Laboratory	
1	Oct 3	S	1	1	1-5	Ch 1: 34, 44,50,56, 71	No Lab	
	◦	M	2	1	6-9			
	7	W	3	2	1-3	Ch 2: 27, 47, 49, 59,68		
2	10	S	4	2	4-6		The Laboratory and SI (Dry lab)	
	12	M	5	2	7-8			
	14	W	6	3	1-3	Ch 3: 27,53,58, 62, 69, 75,86,89,101		
3	17	S	7	3	4-6		Basic laboratory Operation (Expt. 1)	
	19	M	8	3	7-8			
	21	W	9	3	9-10			
4	24	S	10	4	1-3	Ch 4: 17,22,31,37,47,55,63,67,71,73	Water analysis (Expt. 3)	
	26	M	11	4	4-6			
	28	W	12	4	7-8			
5	31	S	13	4	9-10		Percent of water in a hydrated salt(Expt. 6)	
	Nov 2	M	14	5	1-2	Ch 5: 27,34,38,53,63,67, 70,77,86,89		
	4	W	15	5	3-4			
6	7	S	16	5	5-6		Limiting reactant (Expt. 8)	
	9	M	17	5	6-7			
	11	W	18	5	7-8			
7	14	S	19	6	1-2		A volumetric analysis (Expt. 9)	
	16	M	20	Review				
	<b>November 17 (Tuesday) First Major</b>				<b>[Ch:1 to 5] Time 7 to 9 PM</b>			
	18	W	21	6	2-3	Ch 6: 22,30,36,42,45,61,64,73		
<i>Eid - AL- Adha Vacation</i>								
8	Dec 5	S	22	6	3-4		Vinegar analysis (Expt. 10)	
	7	M	23	7	1-3			
	9	W	24	7	4-5			
9	12	S	25	7	6-9	Ch 7: 40,42,49,59,64, 66,71,80,90, 96	Molar mass of a volatile compound (Expt. 18)	
	14	M	26	7	10-11			
	16	W	27	7	11-12			
10	19	S	28	8	1-3	Ch 8: 23,25,34,39,43, 46,54,57,68,81,93	Calorimetry (Expt. 21)	
	21	M	29	8	4-6			
	23	W	30	8	7-9			
11	26	S	31	8	10-11		Synthesis of an alum (Expt. 17)	
	28	M	32	8	12-13			
	30	W	33	9	1	Ch 9: 27,32, 36,40,45,51		
12	Jan 2	S	34	Review			Molar mass of a solid (Expt. 20)	
	<b>January 3rd (Sunday) Second Major</b>				<b>[Ch: 6 to 8] Time 7 to 9 PM</b>			
	4	M	35	9	2-3			
	6	W	36	9	4-5			
13	9	S	37	10	1-2	Ch10: 29,33,44,45,53, 63,71,82,87,91	Lab test	
	11	M	38	10	3-4			
	13	W	39	10	6-8			
14	16	S	40	10	8-9		No Lab	
	18	M	41	11	1-2	Ch 11: 26,31,38,43,49, 53,58,66,70,71		
	20	W	42	11	3-4			
15	23	S	43	11	4-5		No lab	
	25	M	44	11	6-7			
	27	W	45	Review				

**Note:** Sections 5.9, 5.10, 6.5, 6.6, 7.13, 10.5, and 11.8 are reading assignment and thus will not be covered in the lecture.

**CHEM 101**  
**First Semester**  
**(091) 2009-10**  
**GENERAL INFORMATION**  
**Chemistry by Zumdahl & Zumdahl, 7<sup>th</sup> Edition**

**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](http://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 exceeding
- 9 unexcused or 15 excused/unexcused absences in the lecture classes
- (OR)
- 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**

<b>Component</b>	<b>Points</b>	<b>Percent (%)</b>
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.