

## Chemistry 104: Summary of Key Information

Fall 2017

See "Getting Started" (Module 0) on your CHEM 104 Canvas website for more details.

### How to get help:

1. Visit the Help Desk in CHEM 1201: Free drop-in tutoring provided by current CHEM 103 TA/FAs.
  - Mondays, from 10:50 am – 12:55 pm and 2:25 pm – 5:35 pm
  - Tuesdays, from 8:25 am – 9:25am, 10:50 am – 12:55 pm, and 2:25 pm – 3:25 pm
  - Wednesdays, from 10:50 am – 2:00 pm
  - Thursdays, from 8:25 am – 9:25am, 10:50 am – 12:55 pm, and 2:25 pm – 3:25 pm
  - Fridays, from 8:45am – 11:45 am
2. Use Piazza for all course content questions.
  - Link to Piazza page is on Canvas homepage.
  - Search before posting a new question.
3. Attend Dr. Zelewski's office hours in CHEM 2126.
  - Mondays, from 2:30 pm – 3:30 pm
  - Tuesdays, from 2:30 pm – 4:00 pm
  - Thursdays, from 2:30 pm – 4:00 pm

### Materials:

1. *Chemistry, The Molecular Science (5<sup>th</sup> Edition)*
2. *Chemistry 104 Laboratory Manual, Fall 2017* and carbonless notebook
3. Safety goggles
4. Calculator capable of calculating square roots, logarithms, and exponential operations. (\*Calculators prohibited on ACT or SAT are also prohibited here.)
5. Top Hat software
6. OWL v2 account

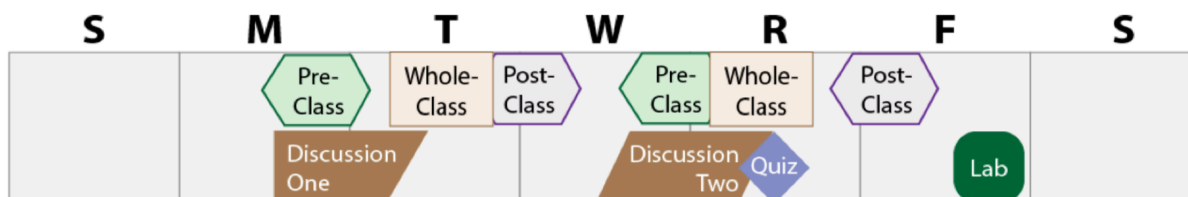
### Course Components:

Activity	Percent of Final Grade
Three 75-minute exams	33%
Laboratory	20%
Pre-Class Activities	7%
Post-Class (OWL) Activities	10%
Quizzes taken in discussion section	7%
ConcepTest (TopHat) Activities	3%
Cumulative Final Exam	20%
<b>Total</b>	<b>100%</b>

### At the end of the semester, your **final grade** will be based on:

- 3 of 3 exams. No exams are dropped and no make-up exams allowed.
- All labs. No labs are dropped and no make-up labs allowed.
- 90% Completion of pre-class activities. 10% will be dropped.
- 90% Completion of post-class (OWL) activities. 10% will be dropped.
- Drop your one lowest quiz score.
- 80% of ConcepTest (TopHat) activities must have the *correct answer*. 20% will be dropped.
- Final exam

### Sample Week:



**Note:** The date of your Whole Class Meetings, Lab, Discussion Section, and weekly quiz will depend on your individual schedule. See your TA/FA and your Course Canvas site for details.

**Chemistry 104-001 Fall 2017, Dr. Zelewski**

Week		Topic	Quiz	Lab
1	4-Sep	T NO CLASSES	NO QUIZ	NO LAB
		R Module 1: Fundamental Organic Chemistry		
2	11-Sep	T Module 1: Fundamental Organic Chemistry	Quiz 1	Molecular Structure
		R Module 1: Fundamental Organic Chemistry		
3	18-Sep	T Module 2: Chemical Kinetics	Quiz 2	Synthesis of Biodiesel
		R Module 2: Chemical Kinetics		
4	25-Sep	T Module 2: Chemical Kinetics	Quiz 3	Kinetics 1
		R Module 2: Chemical Kinetics		
5	2-Oct	<b>T EXAM 1 (October 3)</b>	NO QUIZ	NO LAB
		R Module 3: Chemical Equilibrium		
6	9-Oct	T Module 3: Chemical Equilibrium	Quiz 4	Kinetics 2
		R Module 3: Chemical Equilibrium		
7	16-Oct	T Module 4: Acids and Bases	Quiz 5	Chemical Equilibrium & LeChatelier's Principle
		R Module 4: Acids and Bases		
8	23-Oct	T Module 4: Acids and Bases	NO QUIZ	NO LAB
		<b>R EXAM 2 (October 26)</b>		
9	30-Oct	T Module 5: Aqueous Equilibria	NO QUIZ	Esters and Amides
		R Module 5: Aqueous Equilibria		
10	6-Nov	T Module 5: Aqueous Equilibria	Quiz 6	Acid and Base Solutions
		R Module 6: Thermodynamics		
11	13-Nov	T Module 6: Thermodynamics	Quiz 7	Titrations
		R Module 6: Thermodynamics		
12	20-Nov	<b>T EXAM 3 (November 21)</b>	NO QUIZ	NO LAB
		R <i>Thanksgiving Recess -- No Classes</i>		
13	27-Nov	T Module 7: Electrochemistry	NO QUIZ	Chemical Equilibrium & Thermodynamics
		R Module 7: Electrochemistry		
14	4-Dec	T Module 7: Electrochemistry	Quiz 8	Electrochemical Cells
		R Module 8: Nuclear Chemistry		
15	11-Dec	T Module 8: Nuclear Chemistry	Quiz 9	NO LAB
		R NO CLASSES		
	<b>21-Dec</b>	<b>R FINAL EXAM 2:45 PM - 4:45 PM (Fixed Date)</b>		