



WHAT IS THIS COURSE ABOUT?

Why would anyone want to study chemistry? Chemistry lies at the heart of physical and biological sciences. It explains how a reaction occurs, where an electron goes during a reaction, and why a reaction releases energy. Chemistry is the explanation, at the quantum level, for the observations we make at the macroscopic level. Why does a muscle contract? Why does a campfire warm us up? Why are fireworks different colors? Every breath we take is a chemical reaction. Every morsel we nibble is metabolized in a chemical reaction. Every garment we don is created in a chemical reaction. We can't escape chemistry! You will take the first steps in becoming a scientist in this class, wrestling with concepts such as stoichiometry, bonding, and quantum mechanics. Are you ready? I am!

**This course does NOT satisfy the Core Requirement for Natural Science
You MUST earn a C- in order to take General Chemistry II**

WHAT SUPPLIES DO I NEED?

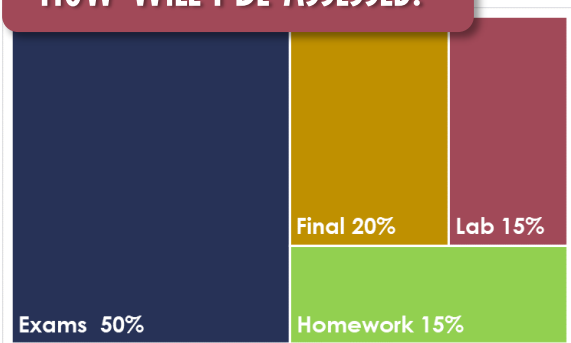
- Kotz and Treichel, " *Chemistry and Chemical Reactivity-10th ed.*"
- OWL Subscription
- Calculator
- Model kit
- Scanning app and Chem101 app

Professor Pam Mork

Office Hours:
Mon/Wed/Fri
7:30 to 10:30 AM

(email is preferred)

HOW WILL I BE ASSESSED?



The grading scale is

- A- 90%
- B- 80%
- C- 70%
- D- 60%

The guarantee is that while these cutoffs MAY go down, they WILL NOT go up.

A Student

- Starts HW on day assigned
- Completes all HW and seeks help on confusing points
- Seeks help before each class
- Studies with a group regularly
- Can make a list of confusing points and gets help on those points promptly
- Asks questions during and after class
- Reads all material
- Bed by midnight
- Studies chemistry on most days
- Sits in front half of room
- Arrives early for class and skims previous lecture notes

B Student

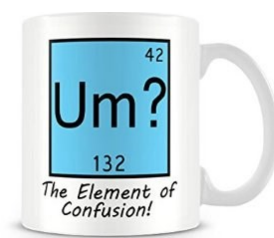
- Starts HW day it is due
- Completes all HW but ignores confusing points
- Seeks help near exam day
- Studies with group for exam
- Has an idea of what content is confusing and gets help the day before exam
- Asks questions after class but not in class
- Reads some material
- Bed by 1 AM
- Studies chemistry three days a week
- Sits in front half of room
- Arrives right before class starts

C Student

- Starts HW night before due
- Completes most HW except confusing points
- Rarely seeks help
- Studies alone mostly
- Expects chemistry to be confusing and rarely seeks help
- Never asks questions
- Rarely reads material
- Bed after 1 AM
- Studies chemistry two days a week
- Sits in back half of room
- Arrives just after class starts and occasionally skips

IF YOU ARE FEELING LOST OR OVERWHELMED...

Come by my office for help. Seriously, stop by. I want you to succeed and I know that by working together, we can improve your grade and decrease your stress.



Cellphones and laptops are not necessary in this class. Using them during class is a distraction to you, to your neighbors, and to me. Please do not use them during class.

ACCOMMODATIONS

If you have a documented disability (learning or otherwise), and you need a reasonable accommodation made for you in this course, please consult with me immediately so we can design a solution that will help you be successful in the class.

MAJOR DATES

October 2: Exam I

November 6: Exam II

TBA: Exam III

December 18:
2 PM Final Exam

CLASSROOM EXPECTATIONS

It is important to keep up with the daily learning in this class. Therefore, assignments will only be accepted for 24 hours after the deadline with a 10% penalty.

Unless you are deathly ill or at a college sponsored event, you need to be in class every single day. So, get out of bed and come!

Food and drinks are welcome, but try not to leave class until it ends. Otherwise, you miss the good stuff that always comes at the end of class.

It makes me sad when no one asks a question or tries to answer a question. **Please don't make me sad!**

DID YOU KNOW?

Cheating ticks me off. It robs you of learning and keeps you from achieving your goals. Please do not squander your integrity for a few points. **Detailed policies on Moodle.**

LECTURE TOPICS BEFORE FALL BREAK

August 30th	Why Do the Numbers Matter?
September 4th	How to Get from There to Here
September 6th	The Conversions Get Complicated...or Not
September 11th	Are All Atoms of an Element the Same?
September 13th	How are Chemistry and Chinese Alike?
September 18th	What Happens When Molecules Fall to Pieces?
September 20th	How do We Know the Formula for Water Really is H ₂ O?
September 25th	Let the Reactions Begin
September 27th	What Happens When We Run Short of a Chemical?
October 2nd	Exam 1
October 4th	What is the Heart of the Chemical Reaction?
October 9th	How Do We Know How Much NaCl is Dissolved in a Beaker of Water?
October 11th	Titrations, Indicators, and Other Scary Words
October 16th	Why is an Electron Like a Wave?
October 18th	How Do We Locate Each Electron Wave in an Atom?
Fall Break	



KITTY SAYS

Check your Moodle Calendar **DAILY** for paper homework assignments, OWL assignments, quizzes, memorization deadlines, etc.