INSTRUCTOR: Kathleen Kolbet  
PHONE: (775) 674-7652  
E-MAIL: kkolbet@tmcc.edu

COURSE TIMES
Lecture: Tuesday, Thursday 9:30 am – 10:45 am in RDMT 401  
Lab: Fridays 2/19, 3/11, 4/8, and 4/29 1:00 pm – 4:00 am in RDMT 304

OFFICE HOURS
Monday: 9:30 am – 10:30 am, 12:30 pm – 3:30 pm  
Wednesday: 9:30 am – 10:30 am  
Thursday: 3:30 pm – 4:30 pm  
And by appointment: call or e-mail me to set one up!

REQUIRED MATERIALS:
2. Electronic Calculator with log and exponential functions.

COURSE WEBSITE:
Canvas Class site found through myTMCC at: https://www.tmcc.edu

COURSE OBJECTIVES:
The objectives of this course are

1) to introduce students to chemical principles through topics of current interest, such as energy and society, water, the atmosphere, and climate change.

2) to encourage students to evaluate societal issues from a natural science perspective and construct arguments about policies using principles of chemistry.

3) to introduce students to the scientific method and the experimental side of chemistry with hands-on laboratory sessions.

A more detailed breakdown of the objectives can be found in the Study Guides on the course website.
WHAT AND WHEN

There are two lecture sections per week from 9:30 am to 10:45 am on Tuesdays and Thursdays.

There will be daily Web Assignments due on Canvas at 8:00 am on the day each class period we don’t have an exam. Each assignment will be based on your reading assignment for that day’s class to help you come in prepared. While a total of 27 web assignments will be assigned, only 20 will count towards your grade. There are no make-up web assignments and late web assignments will not be accepted.

There will be Journal assignments due on Canvas roughly once every other week starting the third week of class. These assignments will involve some minor research and writing of short essays, and rubrics for the grading can be found with each assignment so you can see how points will be assigned. The assignments will be submitted online by 5 pm on the Monday for the week they are due. While a total of 7 assignments will be assigned only 5 will count towards your grade. There are no make-up journal assignments and late assignments will not be accepted.

There will be three exams on February 25th, April 7th, and May 12th during the regular lecture time. There are no make-up exams and excused absences must be discussed with the instructor prior to the exam.

There are four laboratory sessions scheduled during the semester on February 19th, March 11th, April 8th, and April 29th. Attendance for the laboratory session is mandatory. There are no make-up labs. Missing more than one lab will result in a failing grade for the course. At the end of each lab period, your lab report will be submitted for grading. Failure to turn in the lab report at that time will result in a zero grade, even if you attended the lab session.

Prior to each laboratory session, an online pre-laboratory assignment will be due on Canvas. These will be part of your lab grade. There are no make-up pre-lab assignments and late assignments will not be accepted.

During each laboratory session, a “Lab Etiquette” score will be part of your lab grade. Lab Etiquette is based upon your following the safety protocols for lab, including dressing appropriately and wearing goggles.
OTHER USEFUL INFORMATION

Disabilities and Medical Conditions: Any student who feels s/he may need an accommodation based on the impact of a disability should contact me privately to discuss your specific needs and contact the Disability Resource Center at 775-673-7277 in RDMT 114 to coordinate reasonable accommodations for students with documented disabilities.

Recording of Lectures and Labs: Surreptitious or covert video-taping of class or unauthorized audio recording of class is prohibited by law and by Board of Regents policy. This class may be videotaped or audio recorded only with the written permission of the instructor. In order to accommodate students with disabilities, some students may have been given permission to record class lectures and discussions. Therefore, students should understand that their comments during class may be recorded.

Tutoring and Learning Center: Tutoring services are offered through the Tutoring and Learning Center. For assistance or to schedule a tutoring session, contact them at Vista B106, phone 674-7517 or www.tmcc.edu/tutoring.

OTHER CLASSROOM RELATED ITEMS (ALSO CALLED THE “PET PEEVE” LIST)

- Please turn off and store your cell phones and laptops when you arrive in class and lab. In lab use of a cell phone violates the safety procedures and will result in a deduction from your lab etiquette grade and potentially removal from lab. In class, people texting or using their phones is distracting to me and to those around you. I will typically ask you once to put your cell phone away, and then after that, ask you to leave the class.

- You must have a calculator for class work, exams and labs. Use of a cell phone or laptop during an exam will result in a zero grade for the exam.

- I will not discuss grade related issues during class time. If you feel something has been graded incorrectly, please see me outside of class.

- Asking about extra credit is a sure way not to get any!
SUCCESSFUL STUDENTS:

- Come to class prepared each day, having completed the assigned reading on the course calendar and the online web assignment.

- Participate in all class activities, including problem solving. Don’t let one person in the group do all the work, but work the problem on their own before comparing with others. Try to solve problems on the board on their own and not just wait for someone to give the answer.

- Ask questions when something doesn’t make sense. Seek help during office hours, via e-mail, or in the tutoring and learning center. Don’t wait until the day before the exam to get help.

- Complete all the web assignments on time. Ask questions when you don’t understand why something was marked incorrect.

- Complete all the journal assignments on time. Many of these assignments will ask for your opinion based on some research and will be graded on how well and how logically you express your opinion.

GRADING

This course is graded on a point-based system. Points are awarded for completion and correctness of assignments.

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Total Points</th>
<th>Percentage of Overall Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Web Assignments (10 pts each, 20 graded)</td>
<td>200</td>
<td>28.6%</td>
</tr>
<tr>
<td>Journal Assignments (20 pts each, 5 graded)</td>
<td>100</td>
<td>14.3%</td>
</tr>
<tr>
<td>Lab (25 pts each, 4 graded)</td>
<td>100</td>
<td>14.3%</td>
</tr>
<tr>
<td>--includes Lab Etiquette and Pre-Lab Exams (100 pts each, 3 graded)</td>
<td>300</td>
<td>42.9%</td>
</tr>
</tbody>
</table>

Grading Scale:

The point-by-point breakdown of letter grades in this class:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
<th>Total Points</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>93%</td>
<td>651 – 700 pts</td>
<td></td>
</tr>
<tr>
<td>A-</td>
<td>90%</td>
<td>630 – 650 pts</td>
<td></td>
</tr>
<tr>
<td>B+</td>
<td>87%</td>
<td>609 – 629 pts</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>83%</td>
<td>581 – 608 pts</td>
<td></td>
</tr>
<tr>
<td>B-</td>
<td>80%</td>
<td>560 – 580 pts</td>
<td></td>
</tr>
<tr>
<td>C+</td>
<td>77%</td>
<td>539 – 559 pts</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>73%</td>
<td>511 – 538 pts</td>
<td></td>
</tr>
<tr>
<td>C-</td>
<td>70%</td>
<td>490 – 510 pts</td>
<td></td>
</tr>
<tr>
<td>D+</td>
<td>67%</td>
<td>469 – 489 pts</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>63%</td>
<td>441 – 468 pts</td>
<td></td>
</tr>
<tr>
<td>D-</td>
<td>60%</td>
<td>420 – 440 pts</td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>Below 60%</td>
<td>Below 420 pts</td>
<td></td>
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IN THE LAB

- Appropriate attire is required for all laboratory sessions. No open-toed or open-heeled shoes, shorts, short skirts or dresses, nylons, tights, or leggings, midriff-baring shirts, or baggy clothing will be permitted in the lab. These are all safety hazards and may not protect you in the case of spills or fires. Failure to arrive appropriately dressed will result in your needing to go change into appropriate clothing. If you cannot do so in a timely manner, you will receive a zero for that laboratory.

- You should be on time to the laboratory session. Late arrivals will receive a 5 point deduction on their lab grade.

- All labs will be completed in pairs or trios depending on the number of people present in the lab. You do not have to work with the same lab partner or group every lab.

- Cell phones, backpacks, jackets, notebooks, and all extra materials besides your laboratory notebook, calculator, and writing utensil, should be stored in the cubby holes by the goggle cabinet.

- Please turn all cell phones off and store them for the duration of the laboratory. Using your cell phone during lab (even leaving the lab to take a call) is a safety hazard. Doing so will cost you 5 points on your laboratory grade.

- Do not begin the laboratory experiment (or even set out your glassware) until the instructor indicates it is time to begin. When you first arrive in laboratory, spend those few minutes before the safety introduction re-reading over the laboratory. This will get your mind into “lab mode.”

- Following the safety introduction, “goggle time” will begin. Goggles must be worn at all times while in the laboratory once the laboratory is begun and may only be removed in the computer room or outside the laboratory. Removal of goggles while in lab or forgetting to wear them will result in a 5 point deduction on your laboratory grade for each offense.

- If you are hurt or think you have come into contact with a chemical, notify the instructor immediately (or send your lab partner to fetch the instructor) while following proper safety procedures. Know where the eye wash, safety shower, and fire extinguishers are located.

- Laboratory sheets will be turned in at the end of each lab period. No late lab sheets will be accepted. Be sure to turn in any appropriate data printed from computers.
When you are done with the laboratory, you should clean up your station and dispose of all chemicals as instructed. Another group of students should be able to come in and start with the lab station ready to go after you are done. This is also part of your laboratory grade.

Just a few notes on the lab format…

1) Come prepared! Read through the lab before you come in so that you have some idea of what is taking place. You may not understand all the details of the procedures, but when we cover those items during the lab introduction, you will already be familiar with the terms.

2) Think of the lab as an active learning session where you will be applying principles you learned in class. Very often, I will answer a question with a question because I want you to apply your knowledge and think about what you are observing and the big picture.

3) This portion of the course is your chance to be a scientist and base your conclusions on what happens in the lab. The right answers are the ones based upon what you observe. In other words, it is possible that your lab group may have completely different answers than another group, and that’s okay!