**CHEMISTRY 130**  
**Fall 2015**

Lecture:  
MW 9:35am - 11:00am  
Chem. Bldg. Rm. 214

Labs:  
M 11:10am - 2:20pm  
Chem. Bldg. Rm. 126
T 11:10am - 2:20pm  
Chem. Bldg. Rm. 126 (Mr. Congleton)
T 5:00pm - 8:10pm  
Chem. Bldg. Rm. 129
W 11:10am - 2:20pm  
Chem. Bldg. Rm. 129
F 9:00am - 12:10pm  
Chem. Bldg. Rm. 129 (Dr. Mucciaro)

Instructor:  
Dr. Matt Appel
Office:  
Chemistry Bldg. Room 234

Contact:  
Telephone:  During Office Hours- 432-5611  
Other Times- 432-0202 ext. 21304
Email:  
mappel@occ.cccd.edu (best way)

Office Hours:  
Mon. 2:30 - 4:00  
Wed. 2:30 - 4:00  
Thurs. Virtual Office Hour  
*Or by arrangement*

Website:  
Access via Blackboard  
or http://faculty.orangecoastcollege.edu/mappel

Textbook and Materials:  
**Introductory Chemistry – A Foundation**  
Zumdahl and Decoste  
(earlier editions OK)

**Webassign Account for Online Homework**  
Class Key – occ.cc.ca 4831 6049  
(purchase on-line)

**Scientific Calculator** (non-programmable), **Safety Goggles**

**Introduction**  
Chemistry 130 is designed to prepare you for Chemistry 180, the first chemistry course required for most science degrees. This course will introduce you to a wide range of interesting and exciting topics.

**Reading**  
In order to succeed in Chemistry 130, it is essential that you come to class prepared. This means that you should read the assigned chapters *prior* to them being discussed in lecture and come to class and office hours with questions about the material you do not understand. Work the sample problems as you encounter them in the text and try the problems at the end of each chapter. Periodically, I may ask questions at the beginning of lecture to assess the level of reading and understanding of the material. These questions will cover the assigned reading as well as the previous lecture(s). Correct answers will be worth extra credit but incorrect answers will not harm your grade.
Homework

Study exercises will be assigned on a regular basis so that you can evaluate your progress prior to the examinations. These questions will come primarily from the textbook but may also include other problems not in your textbook. All homework problems will be graded via WebAssign, an online homework program associated with your textbook. To receive credit, correct answers to the problems must be submitted prior to the due date. The answers to each homework assignment will be available after the due date. Most homework sets will be given a week to complete. If you are not able to finish your homework by the due date, you may extend the due date by a maximum of two weeks (you will have two weeks from the due date to obtain this extension). All problems not completed by the due date will be worth 50% of the original point value.

In addition to submitting your homework online, you should also keep a homework notebook. In this notebook you should show the work for all of your homework problems. Keeping a written record of all of your homework problems will make it easier for you to prepare for exams and quizzes.

Quizzes

A number of “pop” quizzes will be given throughout the semester. The quizzes will be closed-book and closed-note and will emphasize the material not previously tested (either by exam or other quizzes). You may drop your lowest quiz score and therefore no make-up quizzes will be given. Generally, quizzes will be given at the beginning of lecture.

Exams

Three hourly exams and a comprehensive final exam will be given. All exams will be closed-book and closed-note. The topics of the hourly exams will be provided in class prior to each exam. The final exam will cover all of the material introduced in this class and will take place during the last class meeting, at the normal class time. All exams will be a mixture of short answer, worked problems, and multiple-choice. A missed exam will result in a score of zero. During each exam, a new seating chart will be posted. If you are left-handed or you would like a special seat, please contact the course assistant prior to each exam. You will need to bring a red Scantron® form and a calculator with you to each exam.

Laboratory

In order to get the most out of the laboratory experience, it is imperative that you come to class prepared to do the experiment scheduled for that day. As a result, prior to entering the lab, you must have completed the assigned pre-lab worksheets. These pre-lab worksheets may be found on the far right side of my chemistry 130 website (http://faculty.orangecoastcollege.edu/mappel follow the links to the chem. 130 webpage). The laboratory instructor will check each worksheet at the door. If you do not understand the pre-lab material, it is your responsibility to seek help prior to the scheduled lab date. Cell phones and iPods or other musical devices are not allowed inside the laboratory. Students are NOT allowed to go to another section to make up lab work.
Attendance will be taken during every laboratory and lecture meeting. Each 100 point exam will have 4 attendance points included in the score. Each unexcused absence from the lecture portion of the class during the period leading up to an exam will result in the loss of one of these points (not to exceed a total of 4 points). Arriving late to class or leaving early will result in the loss of ½ a point. Consult your laboratory instructor for the attendance policy in lab.

Disabled Students
If you believe you have a disability, you should make an appointment to see me to discuss your needs. In order to receive an accommodation, your disability must be on record in the Disabled Students’ Center, which is located in the Special Services Building. The phone number of the Disabled Students’ Center is 432-5807.

Common Courtesy
It is important that you refrain from interrupting the learning of other students in the class. This includes not talking to or distracting others during the lecture and the laboratory. Please respect the other students taking this course. When entering class please turn off all cellular telephones and beepers. You may not use iPods, laptop computers, cell-phones or other electronic devices while in class.

Honor System
As a student at OCC, you are responsible for the quality and content of your work. All submitted material must be your own original work. Cheating and plagiarism are violations of the OCC Academic Honesty Policy and, depending on the severity of the occurrence, may result in a “0” on the assignment in question, a failing grade in the class, or suspension from OCC. In all cases, a report outlining the incident will be placed in your permanent academic record.

Some Student Learning Outcomes

1. Use unit equations and simple algebraic methods to solve computational problems in the areas of unit conversion, specific heat, stoichiometry, gas laws, and solution concentrations.

2. Write and balance total ionic and net ionic equations for chemical reactions, including predicting the products of ionic reactions and writing the correct ionic formulas.

3. Apply the principles of electron configurations, Lewis structural theory, and VSEPR theory to predict the structure and three-dimensional shape of simple inorganic and organic species from the chemical formula.

4. Use inorganic nomenclature rules to provide a systematic name for a chemical formula or a chemical formula from a systematic name.

5. Apply safe and proper laboratory techniques to make accurate, reproducible measurements of masses and volumes, and accurate, reproducible experimental observations.
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** If you are in a Monday, Wednesday, or Friday lab, please consult the lab syllabus you received the first day of lab. Your lab schedule differs from that of all other lab sections (because of the holidays).