CHEMISTRY 100

FALL 2010

CLASS SCHEDULE:	**Section 10A** MWF – 10:40-11:30 AM **Section 12A** MWF – 12:50-1:40 PM
CLASS LOCATION:	Pierce 201
INSTRUCTOR:	Dr. Nichole Powell
OFFICE LOCATION:	Pierce 202
OFFICE HOURS:	Designated hours: Mon and Tues 2:00 – 3:00 pm; Fri 11:30-12:30 pm. You may stop by my office at any other time or make an appointment via email.
CONTACT INFORMATION:	**Email**: nichole.powell@emory.edu **Telephone**: 770-784-8396

1. Oxford College and Liberal Arts. Oxford College is dedicated to a liberal arts education, and science, including chemistry, is an integral part of the liberal arts. In this course, you will have an opportunity to master these liberal arts skills:

- Reasoning:

1. Problem-Solving
2. Critical Thinking
3. Logic
4. Calculation/Computation
5. Investigation
6. Analysis of data

- Language

1. Listening and interpreting
2. Reading
3. Writing

- Aesthetics

1. Observing
2. Seeing relationships among form, pattern, harmony, and shape

- Imagination

1. Prediction
2. Developing scientific insight (hypotheses)

2. Learning Goals. The primary learning goals for this class are for you to:

- Utilize critical thought and reasoning to understand chemical behavior at the microscopic and macroscopic levels.
- From your knowledge of chemistry and chemical systems, be able to develop solutions to problems which you have not encountered before.
- Understand the role of chemistry in everyday life.

CLASS MATERIALS (REQUIRED):

1. "Introduction to General, Organic, and Biochemistry" 9th Ed. by Bettelhein, Brown, Campbell, and Farrell
2. Nonprogrammable scientific calculator (must be brought to every class). Students will not be allowed to borrow calculators from their classmates during class assignments, quizzes, or exams. The use of cell phones and PDAs will not be allowed.
3. Carbon-copy lab notebook.
4. Safety glasses.

COURSE COMPONENTS:

ATTENDANCE

Students are expected to attend each class period. You are allowed 3 absences in lecture and NO absences in lab. Each absence exceeding 3 absences will result in a corresponding point deduction from your final course grade (eg. 4 absences= 1 pt, 5 absences= 2 pts etc). There are no excused absences. Students are responsible for all material covered in the lecture even if they were absent.

GRADED ASSIGNMENTS

Graded assignments will be given throughout the semester. These will include discussions and workshops on Blackboard.

NON-GRADED ASSIGNMENTS

Students are expected to complete all assignments regardless of whether or not they will be graded. Students are expected to work all in-chapter and the recommended end of chapter problems in their textbook.

POP QUIZZES

Pop quizzes will be given during the first 5 minutes of class throughout the semester. These quizzes are unannounced and will be used to assess your understanding of the course content. Pop quizzes will primarily assess the content covered in the previous class session. Your lowest Pop quiz grade will be dropped. No make-up quizzes will be given.

EXAMINATIONS

Three (3) exams are scheduled during the regular class period. No make-up examinations will be given. Excuses including the reason for missing an exam must be presented **before** the scheduled exam- this may be done by email or sending a note to class. If the excuse is accepted, the grade obtained on the final exam will count in place of the missed exam. If your excuse is not accepted you will receive a zero for that exam. You may only be excused from missing 1 exam.

Anticipated Exam Schedule:

#1	Monday, Sept. 20
#2	Wednesday, Oct. 20
#3	Friday, Nov. 19

Exam dates are subject to change. The sections to be covered in each exam will be announced in class.

Final Exam – will be given during the final exam period.
Section 10A on Friday, Dec. 10 at 2 - 5 pm.
Section 12A on Wednesday, Dec. 15 at 2 - 5 pm.
The final examination is mandatory and will be comprehensive. Any material discussed during the semester may be included in this exam. Final exams will not be returned.

GRADING:
Your course grade will be computed as follows:

Graded Assignments	2%
Pop Quizzes	2.5%
Exams (3)	55.5%
Final Exam (Cumulative)*	20%
Laboratory	20%
Total	100%

* Your final exam grade may be used to replace your lowest Exam grade with the following exceptions: 1) If you have a zero on an exam due to missing the exam without a valid excuse no grade may be replaced, including the zero. 2) If you missed an exam with an accepted excuse only the grade for the excused exam may be replaced.

Your lab grade will be computed as follows:

Ozone Project	5%
Notebook Sheets (3)	3 %
(Atomic Spectra, Lewis Structures, Titration)	
Data Analysis Reports (4)	12%
(Measurement, Stoichiometry, Imploding can, Calibration	
Total	20%

Notebook sheets are due at the end of the lab session.

Data analysis reports
Section 10A due Fridays at 2:30 pm
Section 12A due Thursdays at 2:30 pm

Guidelines for the Ozone project, notebook sheets, and data analysis reports will be provided on Blackboard.

GRADING SCALE

A = 93 – 100	A- = 90 – 92	B+ = 87 – 89	B = 83 – 86	B- = 80 – 82	C+ = 77 – 79
C = 73 - 76	C- = 70 - 72	D+ = 67 - 69	D = 60 – 66	F = below 60 F	

Note: You must have a passing grade in both lecture and lab to pass the course. If you fail either the lecture or the lab you will receive an "F" in the course.

HONOR CODE

It is expected that students will adhere to the Honor Code. It is expected that students will not cheat, contribute to or condone the cheating of others. You are therefore expected to submit your own best effort on all assignments. Exams will not be proctored unless it is believed that the Honor Code is being violated. Pens/pencils and a non-programmable calculator are the only tools you are allowed to bring to and use in exams (no cell phones). Unless otherwise specified, collaboration is not allowed in any assignment to be submitted – including laboratory reports. You may collect data in groups however you may not collaborate with other students when completing lab report sheets/formal summaries.

LEARNLINK AND BLACKBOARD

Blackboard will be the primary means of communicating outside of class. It will also house supplementary course resources. Students are also expected to read the class LearnLink conference (under Oxford Chemistry) regularly, as well as any subconferences within it.

PRELIMINARY HOMEWORK/ GRADED ASSIGNMENT:

- Read article on HOW TO PASS CHEMISTRY (BLACKBOARD under INFORMATION)
- Assignments in **TOOLS FOR ACADEMIC SUCCESS** folder**:** (BLACKBOARD under CONTENT)

TO BE COMPLETED DURING THE FIRST WEEK OF CLASS

1) Sensory Preference Self-Test **BRING RESULTS TO CLASS ON MONDAY AUGUST 30**
2) Workshop on Time Management
3) Workshop on College Reading Strategies

TO BE COMPLETED DURING THE SECOND WEEK OF CLASS

4) Workshop on Concept Mapping
5) Workshop on Test Preparation
6) Workshop on Overcoming Test Anxiety