Principles of Chemistry II (CHEM 102)
Welcome to Chemistry!

Course Description:

Chemistry 102 is the second half of an introductory two-semester course primarily designed for those students who plan to continue their chemical education beyond the elementary level. We will find, however, that Chemistry 102 is a valuable experience not only for aspiring chemists, chemical engineers, medical doctors, dentists, pharmacists, and so forth, but for thoughtful students of all disciplines. You will also discover that chemistry is truly a central science.

Required Materials:

Text: *Chemistry: Atoms First, 1st edition*; Burdge/Overby; McGraw-Hill, 2012

A scientific calculator: The Chemistry Department requires students enrolled in CHEM 101 and CHEM 102 to use simple scientific calculators. A list of approved calculators can be found on Blackboard. Attempts to use an "illegal" calculator can result in temporary confiscation and you will have to take the exam without a calculator. If you have a calculator not on the list, please have it approved by Dr. Olson on the first day of class.

Instructors:

Dr. Wendy Olson
Office: Meyerhoff 432; 410-455-5782
Office Hours: by appointment
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Dr. Tara Carpenter
Office: Meyerhoff 112; 410-455-3085
Email: carpent@umbc.edu

What do I do if I need help?

If you have a question about chemistry, what will be on an exam, what equations you need to know, etc. you should post them on the appropriate discussion board on Blackboard. The discussion boards will be monitored by Drs. Olson and Carpenter. All content related questions submitted by email will not be answered. If you have a personal problem or will be absent, you should contact Dr. Olson directly through email. When you email, make sure you include a **subject line** that includes **your name and the class**. An example is "CHEM 101, Section 01, John Doe". **Be detailed** in your email. If you have a question about grading, **please include your Student ID**. If you wish to make an appointment, **suggest 3 or 4 possible meeting times**, and I will get back to you.

Meeting Times:						
	102-1 (1043)	T/Th	at	9:00 – 12:10	Sherman Hall 003	Lecture
	102-2 (1044)	T/Th	at	1:00 – 2:50	UC 201	Discovery
	102-3 (1101)	T/Th	at	3:00 – 4:50	UC 201	Discovery

Discovery begins Tuesday, July 8.

According to UMBC regulations, CHEM 101 may not be repeated if CHEM 102 is taken for a grade. Since CHEM 102 is a prerequisite for CHEM 351, it cannot be repeated if CHEM 351 has already been taken for a grade. CHEM 101 with a grade of 'C' or better is a prerequisite for Chemistry 102. If you do not met one or more of the above requirements, it is highly recommended that you drop this course. Transcripts will be checked and violators will receive a grade of "F". This is your warning.

In addition, CHEM 102 is a co-requisite of CHEM 102L (the laboratory course). Hence, if you drop Chemistry 102, you must also drop CHEM 102L. Failure to do so will result in a grade of "F" for CHEM 102L.

Blackboard:

Blackboard will be used in this course. There you can find the syllabus, helpful handouts, lecture note outlines, exam answer keys, grades, Discovery answer keys, discussion boards and more. It is your responsibility to check Blackboard DAILY for announcements, changes to schedule, etc.

Grading:

Your final grade is dependent upon weekly quizzes, the final exam and Discovery.
The breakdown is as follows:

Exam 1:	20%
Exam 2:	20%
ACS Final Exam	20%
Discovery:	15%
LearnSmart:	10%
Connect Online Quizzes:	15%

Grade %	Final Letter Grade
90 – 100%	A
80 – 89%	B
70 – 79%	C
60 – 69%	D
< 60%	F

Lecture:

The overall direction and instructional format of the lectures will be conducted by Dr. Olson. It is highly recommended that you come to class so that you take full advantage of the resources available to you. You are responsible for all material and announcements presented in lecture, which will begin promptly at 9:00 AM. About halfway through lecture, you will have a short break (10-15 min), after which lecture will resume until 12:10 PM

Prior to each lecture, you should read the corresponding section in the textbook as outlined on page 4. Some material will be covered only lightly in order to devote more time to problem solving and concept application in class. Class time will be most lucrative for you if you read the book ahead of time, and work some of the problems.

Discovery (15%):

Dr. Diana S. Hamilton; hamilton@umbc.edu; Office: MEYR 366; 410-455-3461; Office hours: by appt

Discovery sessions will be overseen by Dr. Hamilton and experienced teaching assistants. Discovery sessions will be used to guide you through the main concepts in this course. Discovery will begin on Tuesday, May 27th (the first day of class). Discovery will be worth 20% of your grade in the course. **Attendance is mandatory**. Failure to attend will result in the loss of all points for that class. Up to two absences will be excused for *University recognized documented* reasons. Unexcused absences will be penalized as outlined on the following page. See Blackboard for more information about Discovery.

# Discovery Classes Missed	Total % points deducted from FINAL CLASS AVERAGE
1	2
2	4
3	8
4	16
5	32
>5	64

Online Homework (25%):

The Connect online homework system will be used for LearnSmart assignments and chapter quizzes. LearnSmart will count as 10% of your grade and Connect Quizzes will count as 15% of your grade. **It is your responsibility to register for Connect**. Please see Blackboard for registration information.

LearnSmart: Each LearnSmart assignment will be worth 20 points. They will have a due date and will be graded. Assignments will be due as outlined on page 5.

Quizzes: Each quiz will be worth 10 points. The Quiz due dates are outlined on page 5. Each Quiz will be available one week before the due date.

NOTE: The assignments within Connect are not a replacement for completing end of chapter problems on your own. It is important that you do not spend all of your time doing calculation type Review Problems while overlooking the Review Questions that are more conceptual. This will lead to lower than expected (and desired) exam scores. It is recommended that you complete at least half of the Review Questions and all of the Additional Problems to maximize your success.

Exams (60%):

There will be two exams during the summer session. The date and chapter coverage of each is outlined on page 5. Each exam will be 2 hours. The exams will be multiple choice and a scantron form will be provided for you. Examination grades and answer keys will be posted on Blackboard. Please check that the computer score posted on Blackboard agrees with the score you have evaluated with your examination booklet and the key. It is absolutely necessary (and your responsibility) to make sure the computer generated score is correct and not the product of your exam miscoding errors. Miscoding a scantron will result in a point deduction from your score.

Exams will be closed book. No credit will be given for ambiguous answers. It is your responsibility to bring a pencil and *approved* calculator to the exam. No cell phones are permitted at your seat. If a cell phone is seen, the intent of cheating will be assumed and at minimum you will receive a zero on the exam. If your cell phone rings in your backpack or jacket, you will lose points. Photo ID's will be checked when you turn in your exam.

There are no make-up exams. Make sure your plans to leave campus are not scheduled for exam days.

A note about cell phones:

The use of cell phones (and other electronic devices not directly related to your learning) during class is a nuisance and a disruption; not only to yourself, but to those around you. Please **turn off** your cell phone **during lecture**. Use of cell phones (even for texting) during a lecture may result in your dismissal from class. If you are caught with a cell phone or other electronic device (except your scientific calculator) **during an exam**, the intent of cheating is assumed, and you will – at the very least – **receive a zero for that exam**. If there is an extenuating circumstance that requires you to have your cell phone on during lecture, speak to Dr. Olson prior to class.

Academic Dishonesty:

According to the University rules, intent of cheating does not have to be proven. Rather, the mere act of cheating is grounds for punishment. Acts of cheating include – but are not limited to – copying someone else's homework; copying off of someone during an exam; using cheat sheets during an exam; using your cell phone during an exam; plagiarizing someone else's work and turning it in as your own; copying sentences directly out of the text or from the internet and turning it in as your own; and using an assignment from another class. I am very strict about cheating. Working together to study is fine – and encouraged. But I DO NOT tolerate any form of cheating. I will not hesitate to write you up, which could be cause for your dismissal from the University, particularly if you have had a prior offense. To read the full Student Academic Conduct Policy, consult the UMBC Student Handbook, the Faculty Handbook, or the UMBC Policies section of the UMBC Directory, or go to www.umbc.edu/provost/integrity.

A list of important dates for the semester can be found at:
http://www.umbc.edu/summer/importantdates.html

Probable Schedule (subject to change):

Day	Date	Chapter covered	LearnSmart Chapter due	Quiz Due
Tuesday	July 8	Chapter 11		
Thursday	July 10	Chapter 12	11	
Tuesday	July 15	Chapter 13	12	11
Thursday	July 17	Chapter 14	13	12
Tuesday	July 22	Chapter 15	14	13
Thursday	July 24	Exam 1 (11-14); Chapter 16		14
Tuesday	July 29	Chapter 16/17	15	15
Thursday	July 31	Chapter 17	16	
Tuesday	Aug 5	Chapter 17/18		16
Thursday	Aug 7	Chapter 18/19	17	
Tuesday	Aug 12	Exam 2 (15-18); Chapter 20	18	17
Thursday	Aug 14	ACS Final	19 & 20	18