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.

Instructor:

Dr. Wendy Olson
Office: Meyerhoff, 432; tel: 410-455-5782
Office Hours: by appointment
Email: wolson001@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 outside of my office hours, **suggest 3 or 4 possible meeting times**, and I will get back to you.

Meeting Times:						
	102-1 (1048)	T/Th	at	9:00 – 12:10	MEYR 030	Lecture
	102-2 (1049)	T/Th	at	1:00 – 3:00	UC 201	Discovery
	102-3 (1113)	T/Th	at	3:00 – 5:00	UC 201	Discovery

Discovery meets in UC 201
And will begin Tuesday, July 9.

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:

Each of four (4) quizzes:	15%
Discovery:	20%
Final Exam:	20%

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. We will take two short breaks (10 min), and lecture will end at 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. It is also advised that you actively work through the posted lecture slides prior to the relevant lecture.

Discovery (20%):

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

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, July 9th (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	6
3	14
4	30
5	62
>5	100

Quizzes and exams:

Part of your grade consists of how well you do on four quizzes. The quiz schedule is shown on page 4. Each quiz will focus on the previous week's lecture, but all quizzes are cumulative. No grades will be dropped. Each quiz will last approximately 30-45 minutes and will be held at the beginning of class (9:00 AM). Lecture will commence following the quiz.

The final examination will be multiple choice and a scantron form will be provided for you. The final exam is a standardized exam written by the American Chemical Society. It will cover content from CHEM 101 and CHEM 102. Examination and quiz grades and the answer key 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.

Quizzes and the final exam will be closed book. No credit will be given for ambiguous answers. All quizzes and the final exam are cumulative. It is your responsibility to bring a pencil, an *approved* calculator, and a picture ID 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 is no make-up final exam. Make sure your plans to leave campus are scheduled for after the date of the final exam.

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.

Important Dates:

July 11	Last day to drop course without a grade of "W" on transcript
July 11	Last day to add a course
August 2	Last day to drop course with a grade of "W" on transcript
August 2	Last day to change grading method from "regular" to "pass/fail"
August 13	Last day for "semester withdrawal" from session

Probable Schedule:

Day	Date	Chapter covered	Quiz will cover material from
Tuesday	7/9	Chapter 11	
Thursday	7/11	Chapter 12	
Tuesday	7/16	Chapter 13	7/9 and 7/11
Thursday	7/18	Chapter 14	
Tuesday	7/23	Chapter 15.1 – 15.4	7/16 and 7/18
Thursday	7/25	Chapter 15.5 and 16.1 – 16.6	
Tuesday	7/30	Chapter 16.7 – 16.12	7/23 and 7/25
Thursday	8/1	Chapter 17.1 – 17.4	
Tuesday	8/6	Chapter 17.5 – 17.6 and 18.1-18.3	7/30 and 8/1
Thursday	8/8	Chapter 18.4 – 18.6 and 19.1 – 19.3	
Tuesday	8/13	19.4 – 19.7 (skip 19.6) and 20	
Thursday	8/15	Cumulative Final Exam (no Discovery session)	