



Course Information

Course Name: General Chemistry II

Course ID: CHM 102-7101

Semester: Summer 2018

Mode: Online

Instructor Information

Name: Dr. Christine Piva

Email: Christine.piva@umassd.edu

Phone: (508)999-8297

Office Hours: M: 12-2p, W: 12-2p or by appointment

Weekly Course Structure

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Graded assessment w/ feedback* previous week's material	Weekly start – online		Exam On previous week's material	Quiz on current week's material.		

Course Description

Continuation of CHM 101. Essentials of general, organic and biochemistry. Structure in organic chemistry, organic families and nomenclature, hydrocarbons, alcohols, aldehydes, and ketones, carbohydrates, amines, carboxylic acids and their derivatives, lipids amino acids and proteins, nucleic acids, enzymes, metabolic processes (anabolism and catabolism), biochemical energy, nutrition.

Prerequisite:

Prerequisite a C or better in CHM 101

Course Credits:

3 credits

*Lecture/ 10 hours per week

This is an accelerated course that matches the material that is normally covered in academic school year (4 lecture hours/week).

Required Text:

General, Organic, and Biological Chemistry Structures of Life” 5th Edition. Karen C. Timberlake with mastering chemistry access code

Required Materials:

I highly suggest different colored pens I tend to color code functional groups and substituents, its helpful four you as a students to do the same to help pick out the finer details.

Course Objectives

Chemistry 101/102 is a two semester course sequenced designed to meet accreditation standards for students required to have two semesters of modern general, organic and biochemistry. Although most students in this course are nursing majors, it can be used as science requirement for some other majors. The objective of this course is to provide technology and allied health students an opportunity to learn about the fundamentals of modern chemistry. [CHM101/102 is a challenging but demanding course. The material does not lend itself to last minute cram sessions.](#) Students are advised to review the material after each lecture.

As a result of students participating in lectures and working through the lecture notes, graded assignments, quizzes and tests in chapter 12, 13 and chapter 14 they will be able to develop strategies on how to construct and name using IUPAC nomenclature for the following organic families (classes): hydrocarbons, alcohols, thiols, phenols, ethers, Aldehydes, Ketones, Acetals, Hemiacetals and their reactions. You will also be able to determine chirality of the organic structures in these classes.

As a result of students participating in lectures and working through the lecture notes, graded assignments, quizzes and tests in chapters 16, and 18 they will be able to develop strategies on how to construct and name using IUPAC nomenclature for the following organic families (classes): carboxylic acids, esters, amines and amides and their reactions.

As a result of students participating in lectures and working through the lecture notes, graded assignments, quizzes and tests in chapter 19, 20, 21 they will be able to develop strategies on how proteins and DNA is synthesized (chemically) and how enzymes function.

Communication Plan

Expectations for Electronic Communication

Please use email **ONLY** in communications pertaining the course.

I check my email daily Monday through Friday during normal business hours only. You can expect a reply from me via email within 24 hours during the workweek. You **may** get an email reply during the weekend, but that would be an exception not the rule.

Email Professionalism

Email is a form of professional correspondence. In all email correspondence in this course please use a salutation/greeting and please state your name. Email correspondence that does not meet this criteria will not be answered.

Time Considerations

Students should be prepared to spend a minimum of 6 hours a week on reading and on course assignments. While you may feel that I'm displaying a lot of information to you on a weekly basis remember that in a traditional "live" course you would be coming to class for 4 hours and then spending an additional 4-8 hours (at least) outside of class on assignments and reading. In our online course environment, my expectation is that you will be spending those 4 "class hours" on your own, working on the concepts that you would usually get in a live lecture. Please be sure to budget your time accordingly!

Methods of Instruction

Final Grade Breakdown:

Mastering Chemistry Homework Assignments	20%
3 out of 4 hour examinations	45%
Quizzes	7.5%

Graded Assessments (weekly worksheets)	7.5%
Final Examination (08/15/18)	20%

Explanation of Final Grade Components:

Lecture Notes and Other Class materials

All materials will start weekly on Mondays. Video lectures will be assigned weekly.

The essential portions of the lecture notes can be downloaded and printed out from [myCourses](#). Lectures can be found on myCourses.

Homework “post lecture assignments”:

Homework is completed online through the online platform “mastering chemistry”

***All Homework assignments will be due on July 11th. It would be the best to try and keep up with the homework weekly while we are covering the material.**

In addition to homework there are “adaptive follow-up” (if you score under a 95%; if you score above a 95% those points are automatically awarded to you).

These are **extra credit assignments** worth 3 points each. The points earned from each adaptive follow-up will be added to the score of the “post-lecture assignment” Adaptive Follow-Ups are personalized assignments are assigned after a previous “homework”. The items in an Adaptive Follow-Up are designed specifically to give students additional coaching and are personalized to their learning needs, so they are likely not the same items other students see. They address areas where each student’s own knowledge can be strengthened. All adaptive follow-ups are due on July 12th at 11:59pm.

Below are the two types of instructions on how to register for the homework, quiz and exam platform:

Register for and enroll in your course ***IF YOU ALREADY HAVE A PEARSON ACCOUNT:***

1 Go to <http://pearsonmylabandmastering.com/>.

2 Under Register, select **Student**.

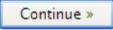
Enter your Course ID (**MCPIVA61734**) then click **Continue**.

3 Sign in with your Pearson account or create an account if you don't already have one, then follow the on-screen instructions.

Below are the instructions to register for the course if you do not have a Pearson account:

How to Register for

1.) Go to www.masteringchemistry.com and choose 

2.) On the next screen choose  and then 

3.) On the next screen choose 

4.) On the next screen under **Do you have a Pearson Education account?** select one of the following Yes No Not Sure

Then either enter your current Pearson Education **Login Name** and **Password** or ***Create a Login Name** and **Password**

Now locate and open the *MasteringChemistry Student Access Kit* that came packaged free with your text and find the "six word" code under the tear off strip inside.



6" x 9" single fold card

Then enter that code in the boxes that look like this - - - - -

* Access Code

Then choose 

5.) On the next screen enter your *** Name** , *** E-mail Address** , *** School Country** , *** School Zip or Postal Code**

SCHOOL ZIP CODE: 02747

Select your *** School Name** from the dropdown menu. Finally, select your *** Security Question** and *** Your Answer**.

Then choose 

6) On the next screen choose  and log into Master Chemistry

The first time you log in you will see a screen that looks like this →

Note: You will be enrolling in your instructor's course so **do not** choose "Select a Book" or "Go to Study Area".

Just enter your Course ID in the last box (student ID should be left blank)

Your **Course ID** is 

If you received a Course ID from your instructor, enter it below to enroll in your instructor's online course website as available by your instructor. Otherwise, you are free to enter the Study Area (without enrolling in a course)

→ Select a Book →

User Properties for Kevin OBrien

Login Name:	masteringchemtest
First Name:	Kevin
Last Name:	OBrien
Email:	kevin.p.obrien@pearson.com
Student ID:	<input type="text"/>
Course ID:	<input type="text"/>
<input type="button" value="Save"/>	

The course ID : **MCPIVA61734**

Late Assignments:

If a student misses one of the hour examinations, that hour examination will be dropped.

[Make-up examinations are more difficult and will only be given under special circumstances.](#)

** 8-10 quizzes/graded assessments will be given.

[No make-up quizzes will be given \(I take the best 6 quizzes/graded assessments\).](#)

Incomplete Policy

According to the university catalogue, an incomplete may be given only in exceptional circumstances at the instructor's discretion. The student must be passing at the time of the request or be sufficiently close to passing. If the work is not completed within one year of the recording of the incomplete grade, the grade will become an F(I). The incomplete policy for this course is that at least 70% of the course must be already completed and an exceptional circumstance (i.e. medical issue) must exist. If you feel you require an incomplete for an exceptional reason, you need to email me and state your reasons for the incomplete in writing. We will then decide on a course of action.

Course Conduct

UMass Dartmouth policies regarding equal opportunity, discrimination, harassment, and sexual violence apply to all learning environments wherever they are located and from wherever they are taught. This applies to all UE face-to-face, off campus, blended, and online courses. Please see the [Office of Diversity, Equity & Inclusion policies page](#) for more information.

Student Academic Integrity Policy

All UMass Dartmouth students are expected to maintain high standards of academic integrity and scholarly practice. The University does not tolerate academic dishonesty of any variety, whether as a result of a failure to understand required academic and scholarly procedure or as an act of intentional dishonesty.

A student found responsible of academic dishonesty is subject to severe disciplinary action which may include dismissal from the University. The procedure for responding to incidents of academic dishonesty may be found in Section III of this document. You may also refer to the Student Handbook for information about the judicial process.

A high standard of academic integrity promotes the pursuit of truth and learning and respect for the intellectual accomplishments of others. These are values that are fundamental to the mission of this University. Such values are undermined by academic dishonesty.

Academic freedom is a fundamental right in any institution of higher learning. Honesty and integrity are necessary preconditions of this freedom. Academic integrity requires that all academic work be wholly the product of an identified individual or individuals. Joint efforts are legitimate only when the assistance of others is explicitly acknowledged and deemed appropriate by the instructor of the course. Ethical conduct is the obligation of every member of the University community, and breaches of academic integrity constitute serious offenses.

Maintenance of the standards of academic integrity and the successful administration of this policy depend on the mutual cooperation of faculty and students.

Faculty cooperation is essential for successful application of the procedures defined by this Academic Integrity Policy. Faculty members promote academic integrity by making clear on their syllabi their expectations concerning homework assignments, collaborative student efforts, research papers, examinations, computer-based infractions, and the like. Efforts should be made to detect and to prevent cheating and plagiarism in all academic assignments. If faculty members have evidence of academic dishonesty, they are expected to report such evidence promptly.

Students must assume responsibility for maintaining honesty in all work submitted for credit and in any other work designated by the instructor of the course. Students are also expected to report incidents of academic dishonesty to the instructor or dean of the instructional unit.

The intent of this policy is to make clear the standards of academic integrity at UMass Dartmouth.

*For additional information on violations, infractions, and consequences visit the [UMass Dartmouth Student Academic Integrity Policy](#).

Center for Access and Success

In accordance with University policy, if you have a documented disability and require accommodations to obtain equal access in this course, please meet with the instructor at the beginning of the semester and provide the appropriate paperwork from the [Center for Access and Success](#). The necessary paperwork is obtained when you bring proper documentation to the Center.

Other Resources for UMass Dartmouth Students

Tutoring

If you have difficulty with the coursework, please:

- Contact me directly using the contact information listed at the top of this document.
- Contact the Academic Resource Center (ARC) for support:
 - Location: Liberal Arts Room 007
 - Phone: 508.999.8708
- For help with assignments you can also make use of [online tutoring](#) with Chris Peter her email is cpeter@umassd.edu please contact her directly to set up meeting times.
 - Online tutoring can also be accessed by clicking the "Online Tutoring" link at the top of the myCourses Dashboard.

Technical Help

- 24/7 email, live chat, and phone support for myCourses is available at the [myCourses support portal](#).
- Support information for all other UMass Dartmouth technologies can be found on the [Technical Resources page](#).

Course Schedule

Unit Start/End Dates	Unit Topic	Student Responsibilities
Week 1 (07/17/18 – 07/22/18)	Hydrocarbons Alcohols, Phenols, Thiols and Ethers	Reading: Chapters 12 and 13 Videos: Chapter 12 and Chapter 13 Activity: Work through lecture notes packet Assessment: Graded worksheet 1 and Quiz 1
Week 2 (07/23/18 – 07/29/18)	Aldehydes, Ketones, Acetals, Hemiacetals and Chirality	Reading: Chapter 14 Videos: Chapter 14 Activity: Work through lecture notes packet Assessment: Graded worksheet 2, Exam 1 and Quiz 2
Week 3 (07/30/18 – 08/05/18)	Carboxylic Acids and Esters Amines and Amides	Reading: Chapters 16 and 18 Videos: Chapter 16 and 18 Activity: Work through lecture notes packet Assessment: Graded worksheet 3, Exam 2 and Quiz 3
Week 4 (08/06/18 – 08/12/18)	Amino Acids and Proteins Nucleic Acids and Protein Synthesis	Reading: Chapters 19 and 21 Videos: Chapter 19 and 21 Activity: Work through lecture notes

		packet Assessment: Graded worksheet 4, Exam 3 and Quiz 4
Week 5 (08/13/18 – 08/15/18)	Enzymes and vitamins	Reading: Chapters 20 Videos: Chapter 20 Activity: Work through lecture notes packet Assessment: Exam 4* 8/14, Final Exam*ch 8/15.