

# Distance Medical Organic Chemistry II

## Course Information

Course title: Distance Medical Organic Chemistry II

Course number: DPPP 351

Course discipline: Chemistry

**Course description:** This is a one-semester course with a virtual laboratory designed for individuals with a baccalaureate degree who need second semester organic chemistry as a prerequisite to apply for admission to health professions' programs. These may include graduate programs in medicine, veterinary medicine, dental medicine, nursing, physical therapy, and physician assistant.

Prerequisite(s): College level introductory chemistry and First semester Medical Organic Chemistry.

## Instructor Information

Name: Rebecca J. Rowe, Ph.D.

Email: [rrowe@mail.une.edu](mailto:rrowe@mail.une.edu)

Phone: 207-581-1173

## Technology Consultant

If you have a problem with Blackboard or your software, please contact Jeani Reagan, Technology Integration Manager/Consultant, 207-602-2335, [jreagan@une.edu](mailto:jreagan@une.edu)

## Course Goals

The goals of this course are divided into two major topics: The first goal is to introduce the student to important laboratory techniques and concepts covered on most professional entrance exams. These include separation and purification techniques and an introductory to spectroscopy. This will make up the first 6 modules of the course and will include one laboratory assignment.

The second goal is to give the student interested in the health professions an introduction to the organic chemistry of important biological pathways that the student will encounter in his/her professional studies. The subjects include biochemistry, molecular genetics, and metabolism. This will make up the remaining 8 modules and will include 8 laboratory assignments.

Since this is the second of two semesters in this series, it will be assumed that the student taking this course has a good understanding of the different functional groups in organic chemistry and of the different reactions these functional groups undergo.

## Exam Policies

All quizzes and the final will be open book. Quizzes will be taken on-line. The final will be a proctored exam. You may arrange to take the final at the University of New England or as a distance exam. If you wish to take the exam at the University of New England in Biddeford, Maine, contact Ms. Angela Morse for an appointment [COMDistance@une.edu](mailto:COMDistance@une.edu). or (207) 602-2494.

**Procedure for a distance exam:** You must find a proctor to agree to proctor your examination. In order to protect the integrity of the

testing procedure, the proctor must be above reproach. The proctor must be one of the following: a full-time assistant professor, associate professor, or professor at a college or university; a professional librarian with an MS degree; a person assigned to a testing center on a military installation; or a professional with Consortium of College Testing Centers <http://testing.byu.edu/NCTA/Consortium/find.asp>. The proctor may not be a relative, close friend, or any person who may have a conflict of interest. Part time faculty, instructors, and post-doctoral fellows will not be approved.

The proctor must agree to: Receive the examination and keep it in a secure place until it is administered. Verify your identity by examining a valid driver's license with your photo on it and at least one other form of identification, such as a credit card, birth certificate, or passport.

Review test procedures listed on the coversheet of the test:  
The student may use a simple calculator but memory devices that could hold notes or other data are not allowed. Cell phones are not allowed. The student may use the textbook and notes.  
The student may not ask questions about the examination.  
Provide a comfortable and a distraction-free testing environment.  
Provide supervision and observation for up to 3 hours. The examination usually takes about 2 hours to complete.  
Be willing to report irregularities when they occur. Seal and mail your test in the stamped addressed envelope that is provided.

Once you have decided upon a possible proctor, email the person's name, position, phone number, and complete professional mailing address to [COMDistance@une.edu](mailto:COMDistance@une.edu). Home addresses will not be accepted. After verification that the person is represented correctly, an examination will be sent to the proctor. The student and the proctor will decide the exact time of day for the examination.

A few areas that have caused problems for some students will be mentioned here. The verification of the proctor and time it takes for the examination to reach the proctor may take several weeks, so make sure you allow enough time. Except for the testing services, proctors are not usually paid. If you use a testing service, you will be responsible for paying the testing services. Do not forget to bring a valid drivers license with your photo on it and at least one other form of identification, such as a credit card, birth certificate, passport etc.

## **Textbooks**

The cost of the textbooks is included in the laboratory fee. Textbooks will be mailed to the student after registration in the course.

### *General, Organic, and Biochemistry*

Katherine J. Denniston, Joseph J. Topping, and Robert L. Caret  
McGraw - Hill Higher Education  
6<sup>th</sup> edition/ 2008  
ISBN-13 # 978-0-07-351110-8

### *Student Solutions Manual to accompany General, Organic, and Biochemistry*

Katherine J. Denniston, Joseph J. Topping, and Robert L. Caret  
McGraw - Hill  
6<sup>th</sup> edition/ 2008  
ISBN-13 # 978-0-07-322684-2

### *Virtual ChemLab Organic Synthesis and Qualitative Analysis v.2.5*

Brian F. Woodfield and Merritt B. Andrus  
Prentice Hall  
2007  
ISBN # 0-13-238827-8

## **Course Requirements**

*"Learning organic chemistry is similar to learning to play a sport or a musical instrument. The more you practice, the more proficient you will become."*

R. Rowe, 2006

There are homework assignments within each module that include multiple choice problems or problems within each chapter and at the end of each chapter from the textbook. Modules 1-6 have multiple choice homework problems and the homework assignment for Modules 7-14 are problems within the chapter or problems from the end of the chapters. Solutions to these problems can be found in the book or the solutions manual. Problems will be assigned for each module. The homework problems will not be collected nor graded. After you have read the chapter and listened to the lecture, do as many of these problems as is necessary for you to be confident that you can do them correctly. Demonstrate your competence by taking the open book quiz included within each module.

## **Laboratories**

Laboratory Assignments will be on-line exercises or computer simulations. There will be nine laboratory assignments distributed throughout the course. Instructions for these assignments can be found within the course modules.

## **How to Begin**

This course consists of 14 modules. Each module contains a reading assignment, a slide presentation with audio, a homework assignment and a quiz. Complete the reading and slide presentation

first and then do the problems. When you feel that you understand the material, take the quiz.

Some of the modules include a laboratory assignment. Complete the assignment and on-line laboratory assignment. You should plan on completing one module per week.

## **Course Time Frame**

This course is designed to be completed in 16 weeks, which breaks down to one module per week for 14 weeks and two weeks to prepare for the final. However, this is a self-paced course. You may go as fast or as slow as you like. We ask that you try to stay on schedule and try to complete one module per week.

## **Grading**

The student will receive a letter grade for this course. The course grade will be determined as follows:

Laboratory assignments 25%

Module Quizzes 15%

Final Exam 60%

If you are only taking the lecture portion of this course, your grade will be determined as follows:

Module Quizzes 30%

Final Exam 70%

The letter grades translate to the following numerical grades: A = 94-100; A- = 90-93; B+ = 87-89; B = 84-86; B- = 80-83; C+ = 77-79; C = 70-76. A grade of 70 is the lowest passing grade.

## Withdrawal from the Course and Refunds

Once students receive the course materials they will notify the University via e-mail of their receipt...*it is essential that they do this*. Students may withdraw from the course during the first 28 days after receiving the course materials. In this case a “Withdraw (W)” will be entered on the official transcript. The withdrawal date will be the date that written notice of the withdrawal such as email, fax or letter is received by the University of New England; *verbal notification is not sufficient*. During this 28 day withdraw period, a percentage of the student’s tuition, but *not* the registration or laboratory fees, will be refunded according to the following schedule: 100% of tuition refunded for withdrawal within 14 calendar days; 66% of tuition refunded for withdrawal from 15 to 21 calendar days; 33% of tuition refunded for withdrawal from 22 to 28 calendar days. No refund will be made after 29 calendar days.

After the 28-day withdrawal period, students may still withdraw from the course at any time they wish before taking the final exam. In this instance, a “Withdraw (W)” will be entered on the official transcript. Again, the University of New England must be notified in writing of the withdrawal.

Notification that the course materials have been received, and all requests for withdrawal, should be directed to:

Ms Angela Morse  
Basic Sciences department  
University of New England  
11 Hills Beach Road,  
Biddeford, ME 04005  
Phone: (207)-602-2494  
Fax: (207)-602-5931  
Email: [COMDistance@une.edu](mailto:COMDistance@une.edu)

## **Course Extensions**

*If, due* to extenuating circumstances, a student feels that it will not be possible to complete the course in the 16 week time period, an extension may be requested by notifying the instructor, Rebecca J Rowe. A time extension carries no sanction and will not be noted on the transcript.

## **Transcripts**

Due to the Family Privacy Act, official transcripts may only be requested by the student. This may be done online by going to the University of New England Registrar [website](#) and following the directions on the page.

The URL is: <http://www.une.edu/registrar/transcript.asp>. Fill in and sign the request and either mail or fax it to the University Campus address on the form.