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Elementary Organic & Biological Chemistry, BCH3023

Instructor Contact Info

Dr. Kimberly Moore

3205 College Ave. Davie FL 33314

954-577-6328

954-475-4125 (fax)

Email: klock@ufl.edu; Skype: kimberly.moore27

Email/phone messages: students can expect a response within 24 hrs. M-F and within 72 hrs. on weekends. **My preferred way of communicating with students is using email.** I check my UF email frequently every day and on the weekends. If I plan to be out of the office or out of email communication, I will email the class and post an announcement on the class website.

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Course (catalog) description

Elementary organic chemistry and biochemistry for students in the agricultural technical curricula. This is a terminal course and not part of any sequence.

Course Overview

This course is intended for students who have taken and understand the principles of general chemistry and have chosen not to take one of the regular sequences in organic and biological chemistry. This is a terminal course and is not part of any sequences of courses in the Department of Chemistry. This course is designed to introduce elementary organic chemistry and biochemistry to students in the agricultural curricula.

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Suggested Reading

K.J. Denniston, J.J. Topping, and R.L. Caret. 2007. General, Organic, and Biochemistry, 6th edition. Mc Graw Hill Co.

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Course Prerequisites

CHM 2046 or CHM 2047

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Acceptable Course Participation

Students are expected each week (see [schedule](#)) to complete the reading assignment, watch the narrated lecture and work on the assignment related to the lecture (see [course goals and assignments](#) & [assessment](#)). [\[Top\]](#)

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Course Goals and Assignments

The objectives of this course are to provide sufficient background biological chemistry to make subsequent courses in plant, animal, or environmental science more meaningful. Upon successful completion of this course, students will be able to: 1) identify relevant organic and biochemical compounds and 2) identify relevant organic and biochemical reactions.

This course is divided into four modules with three lectures. Each week there is a suggested reading, a recorded lecture, supplemental YouTube and other videos, and a graded discussion post (see [schedule](#)). Each module also has a 50 point knowledge check with questions related to the material discussed in that models. Assignments must be completed by the date on the schedule to receive full credit. Assignments will be accepted up to four days after the due date but will be marked down five points.

There are thirteen discussion posts– each worth 10 points (130 points). There are 4 module checks – each worth 50 points (4 x 50 = 200 points).

Grades for all assignments will be posted seven days after the student turns them in. If the instructor cannot return the assignment within this time frame, the instructor will notify the student as to when the assignment will be graded. ([see total points and grades](#))

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Assessment

See [schedule](#) for dates. The week begins on Monday and ends on Sunday. All discussions or assignments need to be completed by the end of each week (Sunday 5 pm, Eastern time zone). The accepted format for all assignments is MS Word files. If there is a malfunction with the class site or computer malfunctions occur, assignments may be emailed or sent via fax. It is the obligation of the student to inform me of such malfunctions immediately. See [Late Assignment Policy](#)

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Course and Instructor Evaluation

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at <https://gatorevals.aa.ufl.edu/students/>. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via <https://ufl.bluera.com/ufl/>. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-results/>.

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TOTAL POSSIBLE POINTS & GRADES = 330 pts.

For information on current UF policies for assigning grade points, see <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

Percentage of Points

94-100	A	(309-330 points)
90-93	A-	(296-308 points)
86-89	B+	(283-295 points)
83-85	B	(273-282 points)
80-82	B-	(263-272 points)
76-79	C+	(249-262 points)
74-75	C	(240-248 points)
70-72	C-	(230-239 points)
66-69	D+	(217-229 points)
63-65	D	(207-216 points)
60-62	D-	(197-206 points)
59-below	E	(0-196 points)

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Learning Community Overview

1. Consider yourself a member of a community. A community is a group of individuals who work together to support a common goal or interest.
2. Treat all contributions made by other members with respect
3. Keep an open mind
4. Ask for help when you need it
5. Assist others when possible
6. Have patience with the technology
7. Respect diverse opinions and viewpoints of each member in the community
8. Contribute regularly
9. All postings shared within this community should reflect acceptable content standards. You are expected to use discretion and if asked you will be expected to demonstrate how your content supports the focus of this community.
10. Student participation on a weekly basis is an essential aspect of the online course process. All students are expected to do the work assigned, notify the instructor when emergencies arise, and make up missing assignments no later than four days after they are due.
11. If at any time, you feel that any of these ground rules have been violated by a member of our community, you are encouraged to bring your concern directly and immediately to the instructor.

Modified 4-25-2010 from www.learningwithoutwalls.com

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Netiquette & Chat Expectations

Netiquette (short for "network etiquette" or "Internet etiquette") is a set of social conventions that facilitate interaction over networks, ranging from Usenet and mailing lists to blogs and forums (as defined by Wikipedia).

Adapted from Rules of Netiquette (<http://www.albion.com/netiquette/corerules.html>)

1. Remember the human and never forget that the person reading your mail or posting is, indeed, a person, with feelings that can be hurt.
- 2: Adhere to the same standards of behavior online that you follow in real life
- 3: Know where you are in cyberspace
- 4: Respect other people's time and bandwidth
- 5: Make yourself look good online. Check grammar and spelling before you post; Know what you're talking about and make sense; Do not post flame-bait.
- 6: Share expert knowledge
- 7: Help keep flame wars under control. Flame is a personal attack. It is possible to disagree without attacking the person. Use emoticons and acronyms to convey emotion to avoid misunderstanding
- 8: Respect other people's privacy
- 9: Don't abuse your power
- 10: Be forgiving on other people's mistakes

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Absences and Make-Up Work

Requirements for class attendance and make-up exams, assignments and other work are consistent with university policies that can be found at:

<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>.

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Academic Honesty

As a student at the University of Florida, you have committed yourself to uphold the Honor Code, which includes the following pledge: "***We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity.***" You are expected to exhibit behavior consistent with this commitment to the UF academic community, and on all work submitted for credit at the University of Florida, the following pledge is either required or implied: "***On my honor, I have neither given nor received unauthorized aid in doing this assignment.***"

It is assumed that you will complete all work independently in each course unless the instructor provides explicit permission for you to collaborate on course tasks (e.g. assignments, papers,

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quizzes, exams). Furthermore, as part of your obligation to uphold the Honor Code, you should report any condition that facilitates academic misconduct to appropriate personnel. It is your individual responsibility to know and comply with all university policies and procedures regarding academic integrity and the Student Honor Code. Violations of the Honor Code at the University of Florida will not be tolerated. Violations will be reported to the Dean of Students Office for consideration of disciplinary action. For more information regarding the Student Honor Code, please see: <http://www.dso.ufl.edu/SCCR/honorcodes/honorcode.php>.

Software Use

All faculty, staff and students of the university are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against university policies and rules, disciplinary action will be taken as appropriate.

Campus Helping Resources

Students experiencing crises or personal problems that interfere with their general well-being are encouraged to utilize the university's counseling resources. The Counseling & Wellness Center provides confidential counseling services at no cost for currently enrolled students. Resources are available on campus for students having personal problems or lacking clear career or academic goals, which interfere with their academic performance.

- *University Counseling & Wellness Center, 3190 Radio Road, 352-392-1575, www.counseling.ufl.edu/cwc/*
 - Counseling Services
 - Groups and Workshops
 - Outreach and Consultation
 - Self-Help Library
 - Training Programs
 - Community Provider Database
- *Career Resource Center, First Floor JWRU, 392-1601, www.crc.ufl.edu/*

Services for Students with Disabilities

The Disability Resource Center coordinates the needed accommodations of students with disabilities. This includes registering disabilities, recommending academic accommodations within the classroom, accessing special adaptive computer equipment, providing interpretation services and mediating faculty-student disability related issues. Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation

0001 Reid Hall, 352-392-8565, www.dso.ufl.edu/drc/

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Distance Courses

Each online distance learning program has a process for, and will make every attempt to resolve, student complaints within its academic and administrative departments at the program level. See <http://distance.ufl.edu/student-complaints> for more details.

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Tentative Schedule – BCH 3023

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Week of	Topic and Assignments	Due Date – 5 pm Eastern Time
Module 1		
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<i>Aug 19</i>	<i>Introduction</i>	
	Self Introductions	Aug 25
<i>Aug 26</i>	<i>General Chemistry Review</i>	
	Discussion Acid Rain	Sep 1
<i>Sep 2</i>	<i>The Saturated Hydrocarbons</i>	
	Discussion on CFCs	Sep 8
<i>Sep 9</i>	<i>Unsaturated Hyrdocarbons</i>	
	Discussion Chemical Sensitivities	Sep 15
	Module 1 – Knowledge Check	Sep 15 (Oct 13)
Module 2		
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<i>Sep 16</i>	<i>Alcohols, Phenols, Thiols, and Ethers</i>	
	Discussion Bad Chemistry, Bad Justice	Sept 22
<i>Sep 23</i>	<i>Aldehydes and Ketones</i>	
	Discussion- Find an example	Sep 29

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Week of	Topic and Assignments	Due Date – 5 pm Eastern Time
<i>Sep 30</i>	<i>Carboxylic Acids</i>	
	Discussion – I need an aspirin	Oct 6
	Module 2 – Knowledge Check	Oct 6 (Oct 13)
<u>OCTOBER 7</u>	<u>CATCH UP/ASK QUESTIONS</u>	Oct 13
Module 3		
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<i>Oct 14</i>	<i>Carbohydrates</i>	
	Discussion - Mirrors	Oct 20
<i>Oct 21</i>	<i>Lipids</i>	
	Discussion – Wax Fruit	Oct 27
<i>Oct 28</i>	<i>Amines and Amides</i>	
	Discussion – Health Food Stores	Nov 3
	Module 3 – Knowledge Check	Nov 3 (Dec 4)
Module 4		
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<i>Nov 4</i>	<i>Proteins</i>	
	Discussion - Turkey	Nov 10
<i>Nov 11</i>	<i>Enzymes</i>	
	Discussion – Say Cheese	Nov 17
<i>Nov 18</i>	<i>DNA/RNA</i>	
	Discussion – DNA code	Nov 24
	Module 4 – Knowledge Check	Nov 24 (Dec 4)
<i>Nov 25</i>	<i>Thanksgiving Break – No class</i>	

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Week of	Topic and Assignments	Due Date – 5 pm Eastern Time
<u>DECEMBER 2</u>	<u>CATCH UP/ASK QUESTIONS</u>	Dec 4