BASIC CHEMISTRY: CONCEPTS AND APPLICATIONS II (ONLINE)

CHM 1031

3 CREDITS

SPRING 2017

ONLINE COURSE

INSTRUCTOR: Melanie Veige
CLB C130B
E-mail through Canvas only

OFFICE HOURS: see Syllabus page in Canvas

COURSE WEBSITE: https://ufl.instructure.com/courses/334405

FIRST THING YOU SHOULD DO: Log into Canvas and access the course. **Click on the Syllabus tab** on the left hand side – once the Syllabus page completes loading, you will see all of the due dates for the semester. You should print this page, and cross off assignments as you complete them. Also, click Modules and find **Settling In**. Herein you will find detailed information about grading policies, important hints and tips, late policies, and more. Use the list of due dates and details of late policies (if any) to prioritize the order in which you complete assignments, if you find yourself pressed for time on a particularly hectic day or week. Lastly, for those of you on/near campus, find the **Chemistry Learning Center and Broward Teaching Center**, and familiarize yourself with the Academic Technology computer labs on campus, which have computers available for student use 24/7, in case you have a personal computer problem.

COURSE DESCRIPTION: CHM 1031 is the second half of the CHM 1030/1031 sequence, a terminal sequence for nonscience students that presents chemistry from a medical/nursing and life science perspective. CHM 1031 provides an overview of topics in organic and biological chemistry. (P)

PREREQUISITE KNOWLEDGE AND SKILLS: High school algebra is necessary.

COURSE COMMUNICATIONS: General course questions should be posted to Piazza in Canvas. The course instructor will respond to emails & Piazza posts within 24 h during the work week (this usually means a wait until the next weekday morning for responses to questions). Non private/personal questions send via email will be posted and

answered using Piazza so all students can benefit from the response. We're also relying on you to help each other by answering questions on Piazza when instructors/TAs aren't available (after 5 pm, on weekends, etc.).

Private or grade-related questions should be sent to your instructor via the mail function in Canvas.

REQUIRED TEXT: A significant portion of your grade stems from electronic homework ("LearnSmart" assignments) associated with an ebook. Your instructor will email you an access code for the ebook/homework – there is no charge for these materials for the semester. The text is entitled "General, Organic, and Biological Chemistry", Smith, 3rd ed.

ADDITIONAL REQUIREMENTS: A computer with webcam, microphone, and speakers is required. This is for proctored exam testing with ProctorU. You should visit their website for specific technical details and requirements.

PURPOSE OF COURSE: This course fulfills the preprofessional requirements in the College of Nursing and some majors in the College of Agricultural and Life Sciences.

COURSE STUDENT LEARNING OBJECTIVES: The student will:

- Demonstrate an understanding of basic concepts in organic and biological chemistry
- Demonstrate the ability to apply chemistry-centered mathematical concepts effectively to real-world solutions
- Distill and analyze information from multiple perspectives, including that presented in tabular or graphic format. The student will apply logical reasoning skills in this task.
- Communicate scientific findings clearly and effectively using oral, written or graphic forms. The student will participate in threaded discussion forums, within small cohorts, based on broader themes related to each module.

COURSE POLICIES:

QUIZ/EXAM POLICY: Four proctored exams (the fourth is cumulative) will be administered in Canvas. These exams are remotely proctored. Full details of the proctoring process can be found in the Start Here module.

End-of-chapter quizzes are delivered in Canvas. These quizzes are not proctored, but are timed, and are subject to the Honor Code. When you're ready to begin, simply click the

link to start! You will have 2 attempts at each quiz, with the highest score counting for credit. **The lowest *one* such quiz score is dropped**.

If you believe you have found an error on a quiz/exam or would like to dispute a response, the deadline for doing so is the last day of term, Apr. 19th @ 11:59 pm after which quiz and exam scores are considered final.

MAKE-UP POLICY: A conflict exam will be offered to those students with valid conflicts (https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx). It is your responsibility to identify yourself as requiring such accommodation at least one week prior to the exam. If you experience technical difficulties with Canvas, contact the Help Desk immediately at 392-HELP. A ticket number will be created to log the time and nature of the problem. You must contact your instructor via e-mail within 24 h of the technical difficulty to be considered for a make-up. The ticket number will be required by your instructor should a make-up exam be requested.

ASSIGNMENT POLICY:

MCGRAW HILL LEARNSMART (LS): You will access your electronic textbook and the LearnSmart homework directly from within Canvas. LearnSmart assignments are submitted as-is on their due date/time – they cannot be completed late for credit. Additional practice, not-for-credit practice quizzes have been created for you in McGraw Hill's homework platform ("Connect"). These are not mandatory, and are not considered for credit or extra credit. You are strongly encouraged to do extra problems – this is how you'll know you're ready for an exam, by your ability to solve a new, challenging, problem the first time, by only referring to a standard formula sheet. For the majority of students, the assigned, for-credit problems are insufficient preparation for exams in this course or for prep for future courses – with students from diverse backgrounds, the path to success will vary greatly for each of you. **The lowest one LearnSmart assignment is dropped from your grade calculation for the course.**

COURSE TECHNOLOGY: The student may require Adobe Acrobat Reader, Adobe Flash Player, Microsoft Silverlight and other software; there are free tutorials on many software applications you may encounter on Lynda.com. All UF students are expected to have reliable access to a computer; suggested configurations may be found here: https://training.helpdesk.ufl.edu/computing.shtml. ProctorU has specific hardware/software requirements: http://www.proctoru.com/tech.php. Check the MasteringChemistry requirements to ensure you have the necessary plugins to complete the assignments.

UF POLICIES:

UNIVERSITY POLICY ON ACCOMMODATING STUDENTS WITH DISABILITIES: Students requesting accommodation for disabilities must first register with the Dean of Students Office (http://www.dso.ufl.edu/drc/). The Dean of Students Office will provide documentation to the student who must then provide this documentation to the instructor when requesting accommodation. You must submit this documentation prior to submitting assignments or taking the quizzes or exams. Accommodations are not retroactive, therefore, students should contact the office as soon as possible in the term for which they are seeking accommodations. You may request a .pdf version of your accommodation letter from the Dean of Students Office to send electronically to your instructor.

UNIVERSITY POLICY ON ACADEMIC MISCONDUCT: 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, 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."

NETIQUETTE: COMMUNICATION COURTESY: All members of the class are expected to follow rules of common courtesy in all email messages, threaded discussions and chats. http://teach.ufl.edu/wp-content/uploads/2012/08/NetiquetteGuideforOnlineCourses.pdf

FEEDBACK: Students are expected to provide feedback on the quality of instruction in this course based on 10 criteria. These evaluations are conducted online at

https://evaluations.ufl.edu. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at https://evaluations.ufl.edu.

GETTING HELP:

For issues with technical difficulties with Canvas, please contact the UF Help Desk at:

- Learning-support@ufl.edu
- (352) 392-HELP - select option 2
- https://lss.at.ufl.edu/help.shtml

** Any requests for make-ups due to technical issues MUST be accompanied by the ticket number received from LSS when the problem was reported to them. The ticket number will document the time and date of the problem. You MUST e-mail your instructor within 24 hours of the technical difficulty if you wish to request a make-up/extension.

Other resources are available at http://www.distance.ufl.edu/getting-help for:

- Counseling and Wellness resources
- Disability resources
- Resources for handling student concerns and complaints
- Library Help Desk support

Should you have any complaints with your experience in this course please visit http://www.distance.ufl.edu/student-complaints to submit a complaint.

TUTORING/CHEMISTRY HELP:

The Chemistry Learning Center (CLC) is located in Keene-Flint Hall rooms 257 and 258. Chemistry graduate students offer free help, usually weekdays between periods 2-9.

The UF Teaching Center has free walk-in help, or you can schedule an appointment. You can also watch interactive practice exams from similar chemistry courses.

GRADING POLICIES:

Should a student wish to dispute any grade received in this class (other than simple addition errors), the dispute must be in writing and be submitted to the instructor within 72 h of receiving the grade (within 24 h of Exam 4).

GRADE DISTRIBUTION:

1. LearnSmart assignments (lowest one is dropped) (15%)
2. Quizzes (lowest 1 dropped) (14%)
3. Proctored (online) exams 1-3 (3 @ 15% each = 45%)
4. Proctored (online) exam 4 (cumulative) (25%)
5. Syllabus quiz and surveys (total = 1%)

GRADING SCALE:

A	A-	B+	B	B-	C+	C	C-	D+	D	D-	E
88%	85	81	78	75	71	67	65	61	57	55	<55

For more information:
https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx#hgrades
http://www.isis.ufl.edu/minusgrades.html*]*

COURSE SCHEDULE:

A full weekly schedule can be found in Canvas. It is posted here for your convenience.

Week #	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
1	Jan. 2	3	4	5	6
2	9	10	11 Ch. 11 due	12	13
3	16	17	18	19	20 Ch. 12 due
4	23	24	25	26	27
5	30 Ch. 13 due	31	Feb. 1	2	3
6	6 Ch. 14 due	7 EXAM 1	8 EXAM 1	9 EXAM 1	10 Ch. 15 due EXAM 1
7	13	14	15	16	17 Ch. 16 due
8	20	21	22	23	24
9	27	28	Mar. 1	2	3

			Ch. 17 due		
10	6	7	8	9	10
11	13	14	15	16	17 Ch. 18 due
12	20 EXAM 2	21 EXAM 2	22 EXAM 2	23	24 Ch. 19 due
13	27	28	29	30	31 Ch. 20 due
14	Apr. 3	4	5	6	7
15	10	11	12 Ch. 21 due	13	14
16	17 EXAM 3	18 EXAM 3	19 Ch. 22 due EXAM 3	20	21
	24 EXAM 4	25 EXAM 4	26 EXAM 4	27	28

GENERAL EDUCATION

This course satisfies the General Education requirement in the Physical Sciences.

PHYSICAL SCIENCE GENERAL EDUCATION PROGRAM OBJECTIVES:

Physical science courses provide instruction in the basic concepts, theories and terms of the scientific method in the context of the physical sciences. Courses focus on major scientific developments and their impacts on society, science and the environment, and the relevant processes that govern physical systems. Students will formulate empirically-testable hypotheses derived from the study of physical processes, apply logical reasoning skills through scientific criticism and argument, and apply techniques of discovery and critical thinking to evaluate outcomes of experiments.

These objectives are accomplished through active participation in the carefully designed course activities, interaction and communication with the teaching staff and peers, and individual, but guided, effort by the student.

GENERAL EDUCATION STUDENT LEARNING OUTCOMES:

Area	Institutional Definition	Institutional SLO
CONTENT	Content is knowledge of the concepts, principles, terminology and methodologies used within the discipline.	Students demonstrate competence in the terminology, concepts, methodologies and theories used within the discipline.
COMMUNICATION	Communication is the development and expression of ideas in written and oral forms.	Students communicate knowledge, ideas, and reasoning clearly and effectively in written or oral forms appropriate to the discipline.
CRITICAL THINKING	Critical thinking is characterized by the comprehensive analysis of issues, ideas, and evidence before accepting or formulating an opinion or conclusion.	Students analyze information carefully and logically from multiple perspectives, using discipline specific methods, and develop reasoned solutions to problems.

Naturally, all three areas of learning outcomes will be assessed in all categories of graded assignment administered in CHM1031.

Disclaimer: This syllabus represents my current plans and objectives. As we go through the semester, those plans may need to change to enhance the class learning opportunity. Such changes, communicated clearly, are not unusual and should be expected.