

 FLORIDA ATLANTIC UNIVERSITY	COURSE CHANGE REQUEST Undergraduate Programs		UUPC Approval <u>11-4-24</u> UFS Approval _____ SCNS Submittal _____ Confirmed _____ Banner Posted _____ Catalog _____
	Department Chemistry and Biochemistry College Science		
Current Course Prefix and Number CHM 2211		Current Course Title Organic Chemistry 2	
Syllabus must be attached for ANY changes to current course details. See Template . Please consult and list departments that may be affected by the changes; attach documentation.			
Change title to: Change prefix From: _____ To: _____ Change course number From: _____ To: _____ Change credits* From: _____ To: _____ Change grading From: _____ To: _____ Change WAC/Gordon Rule status** Add <input type="checkbox"/> Remove <input type="checkbox"/> Change General Education Requirements*** Add <input type="checkbox"/> Remove <input type="checkbox"/> <small>*See Definition of a Credit Hour.</small> <small>**WAC/Gordon Rule criteria must be indicated in syllabus and approval attached to this form. See WAC Guidelines.</small> <small>***GE criteria must be indicated in syllabus and approval attached to this form. See Intellectual Foundations Guidelines.</small>		Change description to: This course is the second semester of a two-semester Introduction to organic chemistry, covering the structure, synthesis, and reactions of all of the major functional groups of organic compounds. Orbital symmetry, ultraviolet spectroscopy, and nuclear magnetic resonance (NMR) spectroscopy are also covered. Change prerequisites/minimum grades to: Change corequisites to: Change registration controls to: Please list existing and new pre/corequisites, specify AND or OR and include minimum passing grade (default is D-).	
Effective Term/Year for Changes: Fall 2024		Terminate course? Effective Term/Year for Termination:	
Faculty Contact/Email/Phone Tito Sempertegui / tsempert@fau.edu / 561-297-2508			
Approved by Department Chair <u>Andrew Terent's</u> College Curriculum Chair <u>[Signature]</u> College Dean <u>[Signature]</u> UUPC Chair <u>Korey Sorge</u> Undergraduate Studies Dean <u>Dan Macroff</u> UFS President _____ Provost _____		Date 9-27-24 10/25/24 <u>10-24-24</u> 11-4-24 11-4-24 _____ _____	

Email this form and syllabus to mjenning@fau.edu seven business days before the UUPC meeting.



FLORIDA ATLANTIC UNIVERSITY

CHM 2211-001 10223

Organic Chemistry 2

Date: Monday, Wednesday, Friday 12:00 PM - 12:50 PM **Building:**

General Classroom North Boca **Room:** 101

3 Credit(s)

Fall 2024 - 1 Full Term

Instructor Information

Lyndon West

Email: lwest@fau.edu

Office: PS 311

Office Hours: Tuesday and Thursday 11:00 – 12:00 pm (other times by appointment only) **Phone:** 561-297-0939

Only e-mails from an FAU e-mail account will be accepted and answered. In addition, e-mails from students need to be signed with the student's full name. E-mails that do not conform to these requirements will not be answered.

TA Name: Mr. Jay Jebelli

Office: PS314

Office Hours: TBA **Email:** jjebelli@fau.edu

Course Description

This course is the second semester of a two-semester introduction to organic chemistry, covering the structure, synthesis, and reactions of all of the major functional groups of organic compounds. Orbital symmetry, ultraviolet spectroscopy, and nuclear magnetic resonance (NMR) spectroscopy are also covered.

Prerequisites/Corequisites

Prerequisite(s): The following course:

- CHM 2210 Graduate / Undergraduate (Minimum Grade of C)

Required Texts/Materials

Organic Chemistry Molecular Model Set

ISBN: 9780205081363 **Publisher:**

Pearson

ALEKS 360 Online Access for Carey Organic Chemistry, 12e (18-weeks)

ISBN: 9781266551857

Publisher: McGraw-Hill

Edition: 12th

ND Florida Atlantic U Boca Raton ALEKS 360 OLA CAREY ORGANIC CHEMISTRY 18W ENTRP

ISBN: 9781266790584

Publisher: McGraw-Hill Higher Education

Edition: 12th

Course Objectives/Student Learning Outcomes

ALEKS 360 OLA CAREY ORGANIC CHEMISTRY

Material to be covered:

Chapter 11. Conjugation

Chapter 12. Arenes and Aromaticity

Chapter 13. Electrophilic Aromatic Substitution Reactions

Chapter 14. Spectroscopy

Chapter 15. Organometallic Compounds

Chapter 16. Alcohols, Diols and Thiols

Chapter 17. Ethers, Epoxides, and Sulfides

Chapter 18. Aldehydes and Ketones: Nucleophilic Addition to the carbonyl Group

Chapter 19. Carboxylic Acids

Chapter 20. Carboxylic Acid Derivatives: Nucleophilic Acyl Substitutions

Chapter 21. Enols and Enolates

Course Structure: All students are expected to attend all lectures and do all assigned reading and homework in a timely manner (assignments will be posted on Canvas). The course material listed above may be covered out of order and some material may be solely assigned for homework. Material covered in lecture and assigned for homework (through textbook problems or homework assignments) is of equal importance. In addition, Chapter 9 (stereochemistry) will also be revised and extended in this course.

Faculty Rights and Responsibilities

Florida Atlantic University respects the rights of instructors to teach and students to learn. Maintenance of these rights requires classroom conditions that do not impede their exercise. To ensure these rights, faculty members have the prerogative to:

- Establish and implement academic standards.
- Establish and enforce reasonable behavior standards in each class.
- Recommend disciplinary action for students whose behavior may be judged as disruptive under the Student Code of Conduct [University Regulation 4.007](#).

Disability Policy

In compliance with the Americans with Disabilities Act Amendments Act (ADAAA), students who require reasonable accommodations due to a disability to properly execute coursework must register with Student Accessibility Services (SAS) and follow all SAS procedures. SAS has offices across three of FAU's campuses – Boca Raton, Davie and Jupiter – however disability services are available for students on all campuses. For more information, please visit the SAS website at www.fau.edu/sas/.

Course Evaluation Method

Exams: There will be three exams and the final: the three progress exams are worth a maximum of 100 points and the final exam is worth a maximum of 150 points. Each exam will consist of a maximum of 30-35 multiple-choice questions. All exams are closed-book. Each exam will commence at 12:00 pm sharp on the scheduled dates. All exams may be cumulative and are designed to thoroughly test material covered in all previous chapters/lectures in Organic Chemistry I and II, as well as relevant concepts from General Chemistry I and II.

All students are required to purchase and bring (blue) Scantron answer sheets to each exam as well as photo ID, a #2 pencil and blue/black pens. Exam rules will be clearly shown on the front page of each exam and it is the responsibility of each student to read and adhere to these rules. If any student does not adhere to any of the rules shown on the front page of each exam they may be penalized by a grade of zero in that exam and/or an F in the course. This decision will be made at the discretion of the Instructor.

Course Grade: The course grade is based on the total points actually earned from the following assessment exercises:

Exam 1 = 100

Exam 2 = 100

Exam 3 = 100

Comprehensive Final = 100

ALEKS Homework = 100

Total = 500 points (max.)

Homework:

Graded online homework (ALEKS) will be required in CHM 2211. Click on the "ALEKS Sign-Up" link posted on Canvas to get started. Homework scores will constitute 20% of the overall course grade.

Online homework will be graded as you go and will not be curved. Due dates can be found on ALEKS.

Grading in ALEKS will consist of two parts:

1. **Completion by a due date.** As long as you finish the objective set by the due date, you will receive full credit for the assignment regardless of the number of attempts used/length of time spent.
2. **Pie chart completion.** Each time you learn/master an objective in ALEKS, you earn "pie progress." You will see this as an increase in the colored portion of your individual pie chart in ALEKS. Periodically, you will be asked to complete a knowledge check. If you lose a skill during your knowledge check, you will lose pie progress.

Extra Credit: Extra credit may be given at the Instructor's discretion and may consist of, but is not limited to: on-line quizzes or homework assignments. Any posting of extra credit marks on Canvas must be checked and if necessary queried by students within 14 days of the marks being posted on Canvas. Hence, if a student does

not check their extra credit marks within that period and notices a mistake later in the semester unfortunately their extra credit grade will not be checked or adjusted.

Code of Academic Integrity

Students at Florida Atlantic University are expected to maintain the highest ethical standards. Academic dishonesty is considered a serious breach of these ethical standards, because it interferes with the university mission to provide a high quality education in which no student enjoys an unfair advantage over any other. Academic dishonesty is also destructive of the university community, which is grounded in a system of mutual trust and places high value on personal integrity and individual responsibility. Harsh penalties are associated with academic dishonesty. For more information, see [University Regulation 4.001](#).

Attendance Policy Statement

Students are expected to attend all their scheduled University classes and to satisfy all academic objectives as outlined by the instructor. The effect of absences upon grades is determined by the instructor, and the University reserves the right to deal at any time with individual cases of nonattendance. Students are responsible for arranging to make up work missed because of legitimate class absence, such as illness, family emergencies, military obligation, court-imposed legal obligations, or participation in University-approved activities. Examples of University-approved reasons for absences include participating on an athletic or scholastic team, musical and theatrical performances, and debate activities. It is the student's responsibility to give the instructor notice prior to any anticipated absences and within a reasonable amount of time after an unanticipated absence, ordinarily by the next scheduled class meeting. Instructors must allow each student who is absent for a University-approved reason the opportunity to make up work missed without any reduction in the student's final course grade as a direct result of such absence.

Note:

Exam 1 – Monday Sept. 16, 12:00-12:50 pm

Exam 2 – Friday Oct. 11, 12:00-12:50 pm

Exam 3 – Friday Nov. 8, 12:00-12:50 pm

Final – Friday Dec 6, 10:30am - 12:30pm

Last Day to Drop/Add is Aug 23; Last day to drop without late fees is Aug 26; Last day to drop with a W is Oct 25; Reading Days Dec 2-4.

Official Holidays (2024):

Labor Day Sep 2nd; Veterans Day Nov. 11; Thanksgiving Holiday Nov 27-Dec 1st.

Religious Accommodation Policy Statement

In accordance with the rules of the Florida Board of Education and Florida law, students have the right to reasonable accommodations from the University in order to observe religious practices and beliefs regarding admissions, registration, class attendance, and the scheduling of examinations and work assignments. University Regulation 2.007, Religious Observances, sets forth this policy for FAU and may be accessed on the FAU website at www.fau.edu/regulations.

Any student who feels aggrieved regarding religious accommodations may present a grievance to the executive director of The Office of Civil Rights and Title IX. Any such grievances will follow Florida Atlantic University's established grievance procedure regarding alleged discrimination.

Time Commitment Per Credit Hour

For traditionally delivered courses, not less than one (1) hour of classroom or direct faculty instruction each week for fifteen (15) weeks per Fall or Spring semester, and a minimum of two (2) hours of out-of-class student work for each credit hour. Equivalent time and effort are required for Summer Semesters, which usually have a shortened timeframe. Fully Online courses, hybrid, shortened, intensive format courses, and other non-traditional modes of delivery will demonstrate equivalent time and effort.

Course Grading Scale

Letter Grade	Letter Grade
A	94 - 100%
A-	90 - 93%
B+	87 - 89%
B	83 - 86%
B-	80 - 82%
C+	77 - 79%
Letter Grade	Letter Grade
C	73 - 76%
C-	70 - 72%
D+	67 - 69%

D	63 - 66%
D-	60 - 62%
F	Below 60

Grade Appeal Process

You may request a review of the final course grade when you believe that one of the following conditions apply:

- There was a computational or recording error in the grading.
- The grading process used non-academic criteria.
- There was a gross violation of the instructor's own grading system.

[University Regulation 4.002](#) of the University Regulations contains information on the grade appeals process

Policy on Make-up Tests, Late work, and Incompletes

There will be no make-up exams, except in cases of extreme emergencies where a student does not sit a given exam AND suffers one of the following emergencies:

Acceptable Extreme Emergencies AS Defined By Fau Policy Are:

1. Medical emergency or problem
2. Death in the immediate family
3. Participation in an FAU-sponsored academic or athletic activity/event
4. Required appearance in a civil or criminal court
5. Religious Holiday

A request for exemption from the exam policy for any of the above reasons will be considered only if the student does not attempt a given exam AND written documentation (e.g. medical certificate etc.) is submitted to the Instructor within 2 days (before or after) of the scheduled exam date.

Any make-up exam may be cumulative. The length of the make-up exam is at the professors' discretion. If a student fails to attend a pre-arranged/scheduled make-up exam that student will receive a zero for the make-up exam.

Policy on the Recording of Lectures

Students enrolled in this course may record video or audio of class lectures for their own personal educational use. A class lecture is defined as a formal or methodical oral presentation as part of a university course intended to present information or teach students about a particular subject. Recording class activities other than class lectures, including but not limited to student presentations (whether individually or as part of a group), class discussion (except when incidental to and incorporated within a class lecture), labs, clinical presentations such as patient history, academic exercises involving student participation, test or examination administrations, field trips, and private conversations between students in the class or between a student and the lecturer, is prohibited. Recordings may not be used as a substitute for class participation or class attendance and may not be published or shared without the written consent of the faculty member. Failure to adhere to these requirements may constitute a violation of the University's Student Code of Conduct and/or the Code of Academic Integrity.

Counseling and Psychological Services (CAPS) Center

Life as a university student can be challenging physically, mentally and emotionally. Students who find stress negatively affecting their ability to achieve academic or personal goals may wish to consider utilizing FAU's Counseling and Psychological Services (CAPS) Center. CAPS provides FAU students a range of services – individual therapy, group therapy, and crisis services, to name a few - offered to help improve and maintain emotional well-being. For more information, go to <http://www.fau.edu/counseling/>

Student Support Services and Online Resources

- [Center for Learning and Student Success \(CLASS\)](#)
- [Counseling and Psychological Services \(CAPS\)](#)
- [FAU Libraries](#)
- [Math Learning Center](#)
- [Office of Information Technology Helpdesk](#)
- [Center for Global Engagement](#)
- [Office of Undergraduate Research and Inquiry \(OURI\)](#)
- [Science Learning Center](#)

- [Speaking Center](#)
- [Student Accessibility Services](#)
- [Student Athlete Success Center \(SASC\)](#)
- [Testing and Certification](#)
- [Test Preparation](#)
- [University Academic Advising Services](#)
- [University Center for Excellence in Writing \(UCEW\)](#)
- [Writing Across the Curriculum \(WAC\)](#)

Artificial Intelligence Preamble

FAU recognizes the value of generative AI in facilitating learning. However, output generated by artificial intelligence (AI), such as written words, computations, code, artwork, images, music, etc., for example, is drawn from previously published materials and is not your own original work.

FAU students are not permitted to use AI for any course work unless explicitly allowed to do so by the instructor of the class for a specific assignment. [\[Policy 12.16 Artificial Intelligence\]](#)

Class policies related to AI use are decided by the individual faculty. Some faculty may permit the use of AI in some assignments but not others, and some faculty may prohibit the use of AI in their course entirely. In the case that an instructor permits the use of AI for some assignments, the assignment instructions will indicate when and how the use of AI is permitted in that specific assignment. It is the student's responsibility to comply with the instructor's expectations for each assignment in each course. When AI is authorized, the student is also responsible and accountable for the content of the work. AI may generate inaccurate, false, or exaggerated information. Users should approach any generated content with skepticism and review any information generated by AI before using generated content as-is.

If you are unclear about whether or not the use of AI is permitted, ask your instructor before starting the assignment.

Failure to comply with the requirements related to the use of AI may constitute a violation of the [Florida Atlantic Code of Academic Integrity, Regulation 4.001](#).

Proper Citation: If the use of AI is permitted for a specific assignment, then use of the AI tool must be properly documented and cited. For more information on how to properly cite the use of AI tools, visit <https://fau.edu/ai/citation>