



Demonstrate an understanding of modern spectroscopic principles and their application to organic molecules.

Demonstrate competency of modern laboratory techniques, including reaction, isolation, purification, and analyses of organic molecules.

Demonstrate how organic chemistry is relevant to other scientific disciplines such as biochemistry and molecular biology.

Instructional Methods

Lectures: All lectures will be delivered asynchronously by Canvas. Good internet connectivity is required.

Homework will be delivered online using a program called Mastering. Homework is correlated with each



Organic Chemistry II, CHEM F325 4 Credits

Spring 2023

Spring Break	Mar 13 - Mar 19	Spring Break	Spring Break
Week 9	Mar 20 - Mar 26	Exam 2 Chapters 18-20 Carboxylic Acid Derivatives Chapter 21 Mastering Chapter 21	Exam 2, Due Mar 26, Midnight
Week 10	Mar 27 - Apr 2	Condensations of Carbonyl Compounds Chapter 22 Mastering Chapter 22	Mastering Chapter 21 Due Apr 2
Week 11	Apr 3 Apr 9	Condensations of Carbonyl Compounds Chapter 22 Mastering Chapter 22	
Week 12	Apr 10 Apr 16	Review Chapter 21-22, Problems	Mastering Chapter 22 Due April 16
Week 13	Apr 17 - Apr 23	Exam 3 Chapters 21-22 Carbohydrates - Selected Topics Chapter 23 Mastering Chapter 23	Exam 3 Due April 23, Midnight
Week 14	Apr 24 Apr 30	Amino Acids, Peptides -Selected Topics Chapter 24 Mastering Chapter 24	Mastering Chapters 23 & 24 Due Apr 30
Week 15	May 1 May 5	Final Exam: Carbohydrates, Amino Acids	Final Exam Due on May 5, Midnight

Grades will be posted to Canvas Course Ste. Class grades may be adjusted (curved) from the following

	Points	Grade Range	Letter Grade	Points
Examination 1	100	100 - 90%	Α	1000-900
Examination 2	100	89 - 80%	В	899-800
Examination 3	100	79 - 70%	С	799-700
Final Examination	100	69 - 60%	D	699-600
Laboratory	250	59% or less	F	< 600
Mastering Homework	250			
BACON	100			



Tentative Due Dates for Lab Reports

	Due Date
	(11:59 pm)
Exp 1: NMR of Unknowns (30 pts)	Feb 12
Exp 2: Mass Spectrometry and Fragmentations (30 pts)	Feb 26
Exp 3: Isolation of Natural Products (50 pts)	Mar 5

Exp 4: Diels-Alder Reaction (50 pts)



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Official UAF activities such participation in athletic events, conferences, etc.

Bereavement

Personal illness or injury

Serious illness of a friend, family member or loved one

Military obligations

Jury service

Other emergency or obligatory situations

For more information, go to the student handbook or the Center for Students Rights and Responsibilities.

UAF Incomplete Grade Policy:

Your instructor follows the University of Alaska Fairbanks Incomplete Grade Policy:

satisfactorily completed (C or better) the majority of work in a course but for personal reasons beyond the student's control, such as sickness, has not been able to complete the course during the regular semester. Negligence or indifference are not acceptable reasons for an "I" grade."

For more information, see the UAF regulations regarding grades.

Student Protections Statement

I will work with the Office of Disability Services to provide reasonable accommodation to students with disabilities. The Office of Disability Services implements the Americans with Disabilities Act (ADA), and ensures that UAF students have equal access to the campus and course materials. I will work with the Office of Disabilities Services (208 Whitaker, 907-474-5655) to provide reasonable accommodation to students with disabilities uaf.edu/disability/

UAF embraces and grows a culture of respect, diversity, inclusion, and caring. Students at this university are protected against sexual harassment and discrimination (Title IX).

Faculty members are designated as responsible employees, which means they are required to report sexual misconduct. Graduate teaching assistants do not share the same reporting obligations. For more information on your rights as a student and the resources available to you to resolve problems, please go to the following site: https://www.uaf.edu/handbook/

Title IX

University of Alaska Board of Regents have clearly stated in BOR Policy that discrimination, harassment and violence will not be tolerated on any campus of the University of Alaska. If you believe you are experiencing discrimination or any form of harassment including sexual harassment/misconduct/assault, you are



Rural Student Services

Responding to student needs by providing quality services to Native and rural students who expend positive effort in the pursuit of higher education and its opportunities. Please see: https://uaf.edu/ruralss/. Additional student support services can be found here: https://www.uaf.edu/ruralss/ tutoring-services/.

UAFHelp Desk

Go to https://alaska.edu/oit/ to see about current network outages and news. Reach the Help Desk at: helpdesk@alaska.edu or 907-450-8300 (in the Fairbanks area) or 1-800-478-8226 (outside of Fairbanks).

eCampus Student Services

UAF eCampus Student Services helps online students with registration and course schedules, provides information about lessons and student records, assists with the examination process, and answers general questions. Their Academic Advisor can help students communicate with instructors, locate helpful resources,



Emergency Notification Plan

Students will receive emergency notifications via phone or email. Please check your uaonline account to