

CHEM F325

Organic Chemistry II

Spring 2019

CRN(s): 33371, 33372, 33373, 33374

Credits: 4 credits

Lecture: REIC 202, MWF 1:00-2:00 PM (in person)

Lab: REIC 241, Various Times

Prerequisite: Chem F321 with grade of C or better

Lecture Instructor

Jennifer Guerard, Ph.D.

Office: REIC 180

Office Hrs: Mon 1030 am - 1230 pm

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Lab Instructor

Thomas Green, Ph.D.

Office: REIC 174

Office Hrs: Tues 1-3

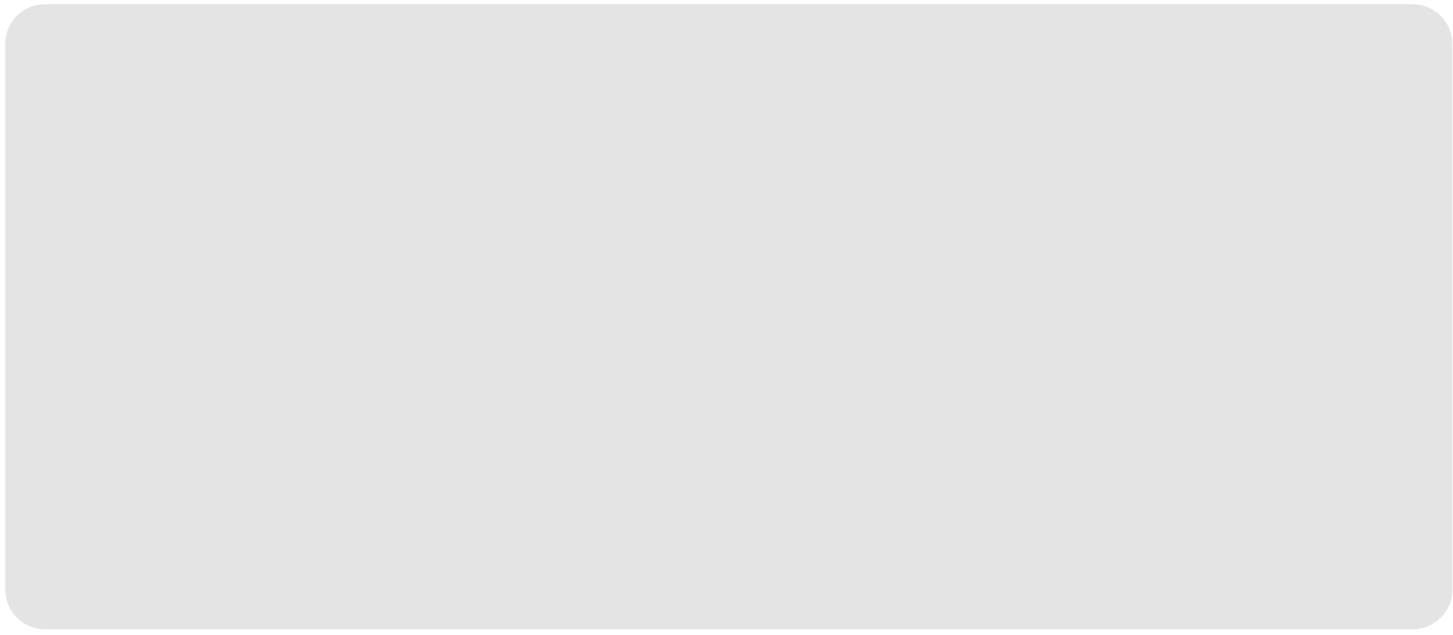
Phone: (907) 474-1559

Email: tkgreen@alaska.edu

Lab syllabus TBD

Course Goals The course goals are to know reaction chemistry of major functional groups of organic molecules, including writing mechanisms for organic reactions, how to write organic reactions in a logical sequence to demonstrate how a molecule might be synthesized in the laboratory, and the use of spectroscopic techniques to determine structure of organic molecules.

Catalog Course Description



Important Dates:

Jan 14 First day of class
Jan 25 Last day for late registration, drops with no appearance on academic record
Feb 8 EXAM I
Mar 8 EXAM II
Mar 29 Last day for withdrawal with W
Apr 5 EXAM III
Apr 24 EXAM IV
Apr 29 Last day of class
May 1 FINAL 1-3pm
May 9 Grades Posted

Student Learning Outcomes A more detailed list of more specific learning outcomes for each chapter is posted on Blackboard and sent via

Quizzes. 9 quizzes (lowest score dropped) will be administered by paper or clicker, each worth 10 points for a total of 80 points (see syllabus schedule; 5 questions each, ~15 min). Students will be notified ahead of time of the format for upcoming quizzes.

Smartwork5 (FREE). Instructions are on Blackboard under Course Materials for Smartwork5 registration. Smartwork is available as extra practice problem opportunities to aid in studying.

Class Participation. Several in-class activities involve individual responses using Turning Technologies Clickers. **It is thus important to attend and bring your clicker to class every day.** It is the student's responsibility to bring the clicker/responseware-installed-device to each class, replace if lost, verify it is registered correctly on the instructor's database, and keep it supplied with fresh batteries. **It is ultimately the student's responsibility** to address problems with their clicker and/or check with the instructor concerning their clicks. **Clicker IDs must be registered through Blackboard by SUNDAY, Jan 22nd, 11:59 PM.** Clicker registration directions are posted on Blackboard.

Instructor-Initiated Withdrawals. Until **Friday, March 29th**, the instructor has the right to withdraw a student who has not participated substantially in the course. Any (or combination) of the following constitute non-participation: 1) Missed exam or 2 quizzes without excused absence, 2) At least 2 incomplete homework assignments, or 3) Less than 50% attendance as registered by clickers.

Mobile Devices and Laptops. Mobile devices must be turned to silent or "vibrate" mode during class. Use of electronic devices that facilitate learning are permitted.

Absences. Make-up exams/quizzes are allowed in the event of a legitimate cause **a** proper notification to the instructor. Known absences (e.g., intercollegiate sports, travel for military or university purposes) are required to provide notification by email **b** the absence; unexpected/emergency absences (e.g., illness, family, or personal emergency) need to provide notification at the earliest possible opportunity. Students may be asked to provide documentation for the absence. Make-ups should be scheduled as soon as possible from the originally scheduled date.

CHEM F325 Spring 2019 Tentative Schedule

	Date	Topic	Assigned Readings	Klein	Assignments & Quizzes
Week 1	M 1/14	Mass Spec	16: 16.16-16.19, IC G		
	W 1/16	Nuc Add I	17a: 17.1-17.4	Ch 6	
	F 1/18		17b: 17.5-17.6		
Week 2	W 1/23	Nuc Add I	17c: 17.7-17.13		Quiz 1, HW 16 due
	F 1/25		17c: 17.7-17.13		HW 17a due, xc1 due
Week 3	M 1/28	Nuc Add II	18a: 18.1 – 18.3	Ch 6, 8	HW 17b due
	W 1/30		18b: 18.4 – 18.9		HW 17c due
	F 2/1		18c: 18.10-18.11		Quiz 2, HW 18a due
Week 4	M 2/4		18c: 18.10-18.11		HW 18b due
	W 2/6		EXAM I Review		HW 18c due
	F 2/8		EXAM I: Ch 16-18, IC G		
Week 5	M 2/11	Org Synthesis II	19a: 19.1-19.2		
	W 2/13		19b: 19.3-19.5		19b9.6
	F 2/15		19c: 19.6-19.7		Quiz 3, HW 19a due, HW 460