

NS 207 - ORGANIC CHEMISTRY SYLLABUS

(2020-2021 SPRING SEMESTER)

INSTRUCTOR & TAs:

Instructor:

Assist. Prof. SERKAN ÜNAL

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Teaching Assistants:

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LECTURE HOURS:

Monday: 10:40-12:30

Tuesday: 10:40-11:30

OFFICE HOURS:

Instructor: Wednesday 16:45 – 18:00

TAs: During laboratory hours by appointment

COURSE OUTLINE:

NS 207 ORGANIC CHEMISTRY			
Week	Date	Content	
1	Feb 22, 23	Introduction	The Basics
2	Mar 1, 2	Structure of Molecules	Families of Organic Compounds
3	Mar 8, 9	Acids and Bases	Organic Reactions and Mechanism
4	Mar 15, 16	Nomenclature	Conformations of Alkanes
5	Mar 22, 23	Stereochemistry	
6	Mar 29, 30	Nucleophilic Reactions	
7	Apr 5, 6	Alkenes and Alkynes	
8	Apr 12, 13	Midterm I	Alkenes and Alkynes
9	Apr 19, 20	Radical Reactions	
10	Apr 26, 27	Alcohols and Ethers	
11	May 3, 4	Oxidation and Reduction Reactions	Conjugated and Unsaturated Systems
12	May 10, 11	<i>Holiday</i>	
13	May 17, 18	Midterm II	Aromatic Compounds
14	May 24, 25	Amines	Misc. Topics: Macromolecules, Bio-Organic structures, etc.
	May 29 – Jun 10	Final exam	

GRADING:

Midterm Exam I	15%
Midterm Exam II	15%
Final Exam	25%
Laboratory	25%
Assignment	10%
Attendance & Quizzes (Top-Hat/Zoom Poll)	10%
TOTAL	100%

- For proctored exams, your webcam and microphone should be on during the exam. In the case of non-compliance with this and other declared exam procedures, your exam will be void. Make sure to check that your webcam and microphone function properly before the exam.
- After each exam (during the grading period), a member of the instruction team may go through the exam paper with students to check the authenticity.

COURSE MATERIALS:

Textbook:

Organic Chemistry, Solomons, T. W. Graham, and Craig B. Fryhle. *12th edition*, John Wiley.

Top Hat & Zoom Poll:

In lectures, online response systems such as TopHat or Zoom Pool will be used.

LABORATORY:

Laboratory grades will make up 25% of a student's total grade and the distribution will be as follows:

- Pre-lab report and lab performance (10%)
- Lab reports (15%)

Pre-lab reports: You will be provided the manual of the experiment before each lab session. You must be prepared before each experiment. For us to assess your preparedness and knowledge, you must prepare and hand-in a pre-lab report before each experiment.

Lab performance: Each student is expected obey and will be graded based on the following:

- Following all instructions
- Being punctual
- Contribution to group work
- Proper attitude in group work

Lab Reports: Each student must prepare a lab-report and deliver to the Tas within four days following each experiment. Late reports are NOT accepted.

Laboratory Schedule:

DATE	EXPERIMENT	MODE*
April 13&14	Exp 1: Acid- Base Extraction	All online
April 20&21	Exp 2: Recrystallization & Melting point	Face to face
April 27&28	Exp 3: Isolation of Caffeine from Tea	Face to face
May 4&5	Exp 4: Synthesis of Soap	All online
May 18&26	Exp 5: Nucleophilic Substitution Reactions	Face to face

*Subject to change anytime due to pandemic regulations

- Laboratory manual of each experiment will be available on SUCourse+ one week before the experiment.

- Pre-lab reports: Should be hand-written.

Face-to-face mode: Students are expected to bring and submit the pre-lab report to TAs.

Online mode: Students are expected to upload photo or scanned copy of their pre-lab report on SUCourse+ before the lab session begins

- Lab-reports: Lab-reports should be uploaded on SUCourse+ within 4 days from the experiment.

- All lab-reports will be checked by Turnitin.

- Students who have any symptoms (cough, fatigue, fever, sore throat, difficulty breathing) of Covid-19 should not come to campus and any person who is diagnosed with Covid-19 should inform the Health Center (heathcenter@sabanciuniv.edu)

- Students must follow "Guidelines for working in FENS Laboratories" uploaded on SUCourse+.

- Online laboratory sessions will be conducted live via Zoom.

MAKEUP POLICY:

Students who miss a midterm, laboratory session or the final exam must present an official, acceptable excuse (i.e., health report certified by the Sabanci University health center) to the instructor within one week.

ACADEMIC INTEGRITY:

Investigation procedures for academic integrity violations:

Violations of academic integrity include cheating in classroom examinations, plagiarism in take-home examinations, homework assignments, essays, thesis and artistic work, fabrication and misrepresentation of facts and data, as well as assistance to others in commission of these acts, spontaneous or premeditated. These violations undermine values of fairness, honesty and trust in the academic environment and distort the process by which knowledge is shared and evaluated. The academic integrity investigation procedure is a fundamental component of our commitment to maintain a productive climate of learning and a vibrant academic life.

A student whose work or behavior is considered to have contravened the principles of academic integrity faces academic consequences. These are determined by the course instructor or the thesis supervisor in accordance with our academic norms. **The academic integrity policy for each course is appended to the syllabus and announced to the students at the beginning of the course.**

The disciplinary procedure outlined below is independent from the academic consequences of the violation.

The students, teaching assistants and proctors in a learning module or course must communicate any information and observation about academic integrity violations to the main instructor.

The main instructor personally reports all incidences with preponderance of evidence for violations of academic integrity, **without exceptions**, to the Dean or the Director's office. The report consists of a written statement of facts and evidence. The case is recorded. Please use the attached form.

If necessary, the Dean/Director interviews the parties involved and decides on whether to initiate further disciplinary investigation.

Further disciplinary investigation is carried out according to the regular procedures of the university.

The duty to report violations, highlighted in the above procedure, is inseparable from our responsibility to take action against wrongdoing, even in situations involving peer pressure, fear or compassion. The requirement that all cases be reported to the Dean/Director's office ensures fairness through a uniform application of rules across all cases. It also strongly signals our community's determination to defend the academic values of honesty and mutual trust.