

**NS 207 - ORGANIC CHEMISTRY SYLLABUS**  
**(2021-2022 FALL SEMESTER)**

**INSTRUCTOR & TAs:**

***Instructor:***

Assist. Prof. SERKAN ÜNAL

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FENS G022

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**LECTURE HOURS:**

Monday: 08:40-09:30

Wednesday: 14:40-16:30

**OFFICE HOURS:**

Instructor: By appointment until announced

TAs: During laboratory hours when no experiment conducted

**GRADING:**

<b>Midterm Exam I</b>	15%
<b>Midterm Exam II</b>	15%
<b>Final Exam</b>	25%
<b>Laboratory</b>	35%
<b>Attendance &amp; Quizzes (Top-Hat)</b>	10%
<b>TOTAL</b>	100%

All exams and laboratory sessions will be held face-to-face.

**COURSE OUTLINE:**

NS 207 ORGANIC CHEMISTRY			
Week	Date	Content	
1	Sep 27, 29	Introduction	The Basics
2	Oct 04, 06	The Basics	
3	Oct 11, 13	Structure of Molecules	
4	Oct 18, 20	Families of Organic Compounds	Infrared Spectroscopy
5	Oct 25, 27	Acids and Bases	Organic Reactions and Mechanisms
6	Nov 01, 03	Nomenclature	
7	Nov 08, 10	Conformations of Alkanes and Cycloalkanes	
8	Nov 15, 17	Stereochemistry	
9	Nov 22, 24	Midterm I	Stereochemistry
10	Nov 29, Dec 1	Nucleophilic Reactions	
11	Dec 06, 08	Nucleophilic Reactions	Alkenes and Alkynes
12	Dec 13, 15	Alkenes and Alkynes	
13	Dec 20, 22	Midterm II	Radical Reactions
14	Dec 27, 29	Radical Reactions	Other Misc. Topics: Oxidation and Reduction Reactions
	Jan 03 - 14	Final exam	

**COURSE TEXTBOOK:****Textbook:**

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

**ATTENDANCE and QUIZZES:****Zoom Link for Online Attendees to Classes:**

<https://sabanciuniv.zoom.us/j/99106525960>

Please log in with @sabanciuniv.edu email address and make sure your name is displayed properly.

**Top Hat:**

In lectures, online response system TopHat will be used.

**Attendance and Quizzes Grading:**

Minimum of 60% attendance (face-to-face or online) is required for all students

- You get 0.5 points for each course attendance and 0.5 points for each correct quiz answer.

- If a student's sum of collected points is greater than 80% = 10 points
- If less than 80%, the lecture grade will be  $10 \times (\text{your points}) / (\text{total points})$

### LABORATORY:

Laboratory grades will make up 35% of a student's total grade and the distribution will be as follows:

- Pre-lab report and lab performance (15%)
- Lab reports (20%)

**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:

WEEK	DATE	EXPERIMENT
3	Week of Oct 11	Exp 1: Recrystallization & Melting point
6	Week of Nov 01	Exp 2: Acid- Base Extraction
8	Week of Nov 15	Exp 3: Isolation of Caffeine from Tea
10	Week of Nov 29	Exp 4: Synthesis of Soap
12	Week of Dec 13	Exp 5: Nucleophilic Substitution Reactions

LABORATORY SECTIONS
<p><b>NS207L - A: Tuesdays 14:40 – 17:30</b></p> <p><b>NS207L - B: Thursdays 08:40 – 11:30</b></p> <p><b>NS207L - C: Mondays 09:40 – 12:30</b></p> <p><b>NS207L - D: Tuesdays 11:40 – 14:30</b></p> <p><b>NS207L - E: Thursdays 13:40 – 16:30</b></p>

\*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.
- Students are expected to bring and submit the pre-lab report to TAs.
- 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](mailto:heathcenter@sabanciuniv.edu))
- Students must follow "Guidelines for working in FENS Laboratories" uploaded on SUCourse+.

### 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 behaviour 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.