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

INSTRUCTOR & TAs:

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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:

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

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

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

Textbook:

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 x (your points)/(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:

<table>
<thead>
<tr>
<th>WEEK</th>
<th>DATE</th>
<th>EXPERIMENT</th>
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<tbody>
<tr>
<td>3</td>
<td>Week of Oct 11</td>
<td>Exp 1: Recrystallization &amp; Melting point</td>
</tr>
<tr>
<td>6</td>
<td>Week of Nov 01</td>
<td>Exp 2: Acid-Base Extraction</td>
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<tr>
<td>8</td>
<td>Week of Nov 15</td>
<td>Exp 3: Isolation of Caffeine from Tea</td>
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<tr>
<td>10</td>
<td>Week of Nov 29</td>
<td>Exp 4: Synthesis of Soap</td>
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<tr>
<td>12</td>
<td>Week of Dec 13</td>
<td>Exp 5: Nucleophilic Substitution Reactions</td>
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*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)
- 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.