Module Handbook

<table>
<tr><td>Module Name</td><td>: Organic Chemistry II</td></tr>
<tr><td>Module Level</td><td>: Bachelor</td></tr>
<tr><td>Kode Mata Kuliah</td><td>: KIO 203</td></tr>
<tr><td>Sub Heading, if applicable</td><td>-</td></tr>
<tr><td>Courses included in the module, if applicable</td><td>-</td></tr>
<tr><td>Semester/Term</td><td>: 4 / Second Years</td></tr>
<tr><td>Person in charge</td><td>: TjitjikSrieTjahjandarie, Ph.D/Dr. NanikSitiAminah, M.Si</td></tr>
<tr><td>Member</td><td>: Dr. MulyadiTanjung, M.S/DrHerySuwito</td></tr>
<tr><td>Language of instruction</td><td>: BahasaIndonesia</td></tr>
<tr><td>Classification within the curriculum</td><td>: Compulsory Course / ~~Elective course~~</td></tr>
<tr><td>Teaching format / class hours per week during the semester</td><td>:3class hours /week (50 min / hour)</td></tr>
<tr><td>Workload</td><td>3 hours in class, 3 hours structured activities, 3 hours individual learninga semester13 week
Total a semester :117 hours~ 3.9 ECTS *</td></tr>
<tr><td>Credit Points</td><td>: 3 SCU</td></tr>
<tr><td>Requirements</td><td>: Organic Chemistry I (KIO 201)</td></tr>
<tr><td>Learning goals/competencies</td><td>General Competence(knowledge) :
Students can infer the structure, chemical properties, and reactions that occur in compounds alcohol-ether, carbonyl, carboxyl and derivatives, heterocyclic amines and polycyclic properly.

Spesific Competence :
After following this Course, students can compare and conclude the structure, chemical properties, and reactions involved carbonyl groups and macromolecular compounds</td></tr>
<tr><td>Course Content</td><td>The properties of carboxylic acids and their derivatives, amines and their derivatives, polycyclic compounds, heterocyclic compounds macromolecule: carbohydrates, proteins, lipids, and nucleic acids</td></tr>
<tr><td>Study/Exams achievement</td><td>Passing grade of the Course is formulated using rubric as follows.
Students Grading system:
▪ Assigment : 20%
▪ Quiz : 20%
▪ Mid-semester test : 30%
▪ Final-semester test : 30%
Grading based on university academic rules:
<table>
<tr><th>Score</th><th>Grade</th></tr>
<tr><td>75 - 100</td><td>A</td></tr>
<tr><td>70 - 74,9</td><td>AB</td></tr>
<tr><td>65 - 69,9</td><td>B</td></tr>
<tr><td>60 - 64,9</td><td>BC</td></tr>
<tr><td>55 - 59,9</td><td>C</td></tr>
<tr><td>40 - 54,9</td><td>D</td></tr>
<tr><td>0 - 39,9</td><td>E</td></tr>
</table></td></tr>
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Learning Methods	• Lecturing, discussion, tutorial
Forms of Media	• LCD, computer, whiteboard
Literature	1. Fessenden, R., Fessenden J., 1994, *Organic Chemistry*, 5th ed., Wadsworth, Inc Belmont, California. 2. Morrison, R.T., Boyd, R.N., 1992, *Organic Chemistry*, 6th ed., Prentice Hall International Inc., London. 3. Buxton, S.R., Robert, S.M., 1996, *Guide to Organic Stereochemistry*, Addison Wesley Longman, Essex.
Notes	*Total ECTS = {(total hours workload x 50 min) / 60 min } / 25 hours **Each ECTS is equals with 25 hours**