Course analysis

Course code:	**Credits**:
FCK3323	10.0 credits
Course name:	
General Organic Chemistry	
Semester:	**Study period:**
HT2021–VT2022 & HT2023–VT2024	Period 2–Period 3
Course coordinator:	**Examiner:**
Markus Kärkäs (course coordinator, examiner)	Markus Kärkäs (course coordinator, examiner)
Number of registered PhD students:	**Response rate to the course evaluation:**
2 + 3	100%
Number of first-time registered students who passed all sections/modules of the course:	
All sections: 5 of 5 in total = 100% of the students that attended the course	

Description of implemented changes for this course offering:

2021 & 2023: The course provides a general introduction and basic understanding of various areas relevant for organic chemistry, including chemical bonding, chemical biology, computational chemistry, (organo)catalysis, green and sustainable chemistry, heterocyclic chemistry, medicinal chemistry, supramolecular chemistry, and X-ray structure analysis.

The course is a joint course that is given in cooperation with other Swedish universities, such as Stockholm University, University of Gothenburg and Uppsala University, and includes various lecturers from these universities. For the 2023 course offering, some of the lecturers had to be replaced as they had started new faculty positions at universities abroad. Otherwise, no other changes were implemented.

Pre-2021: —

Summary of the students' course evaluations:

The students' views were obtained through a course survey that was divided into two parts, consisting of one part that contained eight (8) statements and another part containing two (2) free-form/open-text questions. 100% of the students (5 of 5) responded to the survey.

See the attached “Course evaluation” for details.

2023: Overall, the course survey indicates that the students are (really) satisfied with the structure and organization of the course. From the course survey, it can mainly be seen that the questions that result

in lower scores are from questions that relate to “I participated actively in the different parts of the course” (Question 3; 4.4 of 5.0), “I studied continuously” (Question 4; 4.4 of 5.0) and “The content/workload corresponded to the number of credits” (Question 5; 4.4 of 5.0).

One can note that the students appreciate that the course covers various topics/themes that are important in organic chemistry. Thus, the course contributes significantly to fulfilling the degree objective “Demonstrate broad knowledge and systematic understanding of the research field…”.

In general, the students' perception and experience of the course is very positive!

Pre-2021: —

Reflections on the implementation and results of the course

a) Strengths of the course:

• Well-organized course

• Course provides a general introduction and basic understanding of various areas relevant for organic chemistry

• Pace of the course suits PhD students in laboratory-based disciplines, such as organic chemistry

b) Development opportunities of the course: –

Proposed changes for the next course offering:

2025:
• No planned changes.

Pre-2021: —

Other remarks:

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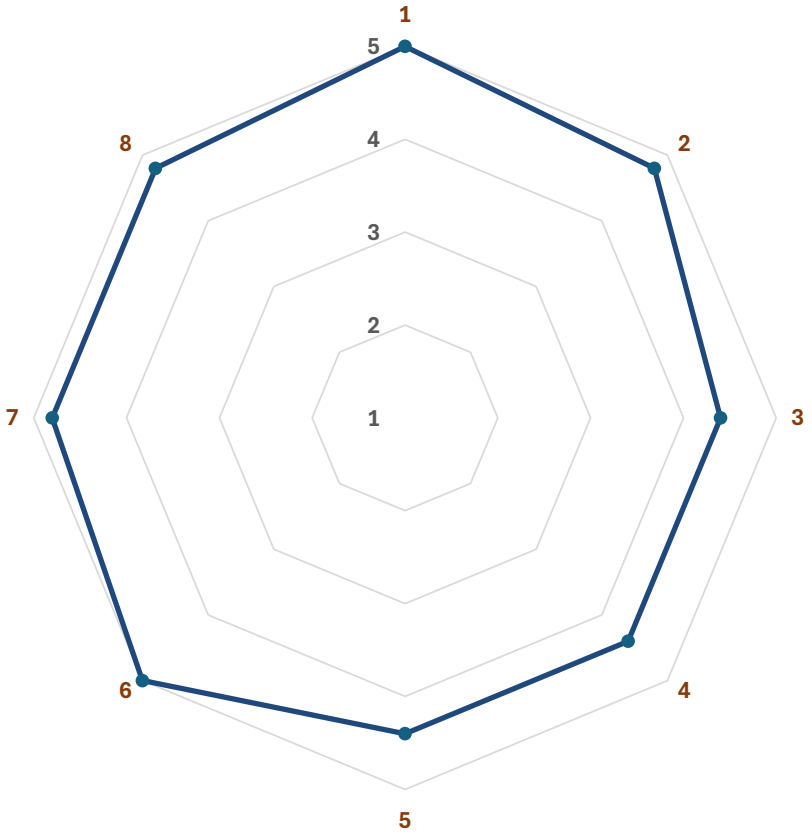
Course evaluation

Course survey

(Scale: 1. Completely disagree with the statement; 2. Somewhat disagree with the statement; 3. Neither agree nor disagree with the statement; 4. Somewhat agree with the statement; 5. Completely agree with the statement)

1. The course was well-organized
2. My background knowledge was sufficient to follow the course
3. I participated actively in the different parts of the course
4. I studied continuously
5. The content/workload corresponded to the number of credits
6. There was a clear connection between the course content and what was assessed
7. The course felt relevant and I have developed my competence
8. My overall impression of the course regarding both implementation and content is that it is good

2021 & 2023



Pre-2021

Not available

What was the best aspect(s) of the course?
–
The home assignments
Learned a lot about useful tools in organic chemistry, which I probably would not have studied otherwise
Different topics and aspects of organic chemistry
The pace of the course suits a lab-based PhD student

Is there anything that you would suggest to improve?
–
–
It would be nice to have access to the slides for self-study
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