

- **Responsible for Course/ Kursansvarig**

Göran Widmalm

- **Number of examined students / Antal examinerade**

40

- **Number of passed students / Antal godkända**

26+1+5=32 as of June 23, 2020

Evaluation of the course / Utvärdering av kursen

The student's opinions and experiences (according to the course evaluation) should be used as a basis of this report.

- **Description of changes since the last time the course was given.**

New course responsible; G. Widmalm new lecturer on F3-F5; new TAs: Victor Garzia Vazquez, Alessandro Ruda and Ivan Kumaniev

The course was implemented in Athena for the first time and as the first course at the Department of Organic Chemistry (57 students registered).

The full course was given by online teaching via Zoom: lectures, laboratory demonstrations, hand-in of lab reports, exercises and the exams (monitored by Zoom).

- **The strengths of the course according to the students (based on the students' answers)**

Laboratory work online via Zoom.

Lectures on reaction mechanisms (FJH and NS)

Clear lectures, even online.

- **The weaknesses of the course (based on the student's evaluation)**

Difficult to interact via Athena or Zoom.

Difficult with some lectures in Swedish and some in English.

Performing the exam online was difficult.

- **The teacher's analysis on the course execution**

On short notice online teaching had to be carried out. How to execute laboratory work and hand-in of reports? This was solved in an excellent way by the TAs who made movies of demo-labs that the students could view and thereafter fill out the template lab-reports, uploaded in Athena for TAs to correct. Assistant Masters (adjunkterna) also used Zoom for exercises. Few students participated and it was difficult to interact via Zoom.

The implementation of Athena in this relatively large course, lab-demonstration movies, correcting lab-reports, and exercises worked out very well and so did monitoring (Zoom), execution and grading of the exams.

- **Conclusions as well as suggestion on changes**

Improve the way of teaching online further; consider whether additional tools and presentations can be implemented.

Make explanations even clearer at all levels.

Highlight and inform by clear instructions that filling out lab-report forms needs to be downloaded prior to filling them out (pdf was used; should one use Word files instead?) Step-by-step procedure in instructions?

Start with setup of Athena even earlier.

Course administration

- **Booking and list of participants**

Worked well	Worked less well	Not applicable
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1. The prebooked lecture rooms and halls

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2. The Course Owner double checked the bookings ahead of the course commencement

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3. The Chemistry Sections Office shared a preliminary list of course participants ahead of course commencement

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4. The Course Owner shared any changes to the participant list with the Chemistry Section Office.

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- **Preparations**

Worked well	Worked less well	Not applicable
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1. The Course Owner has ensured that the course plan was followed

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2. A schedule was shared with the Chemistry Sections office 4 weeks before course commencement

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3. A planning meeting was held with the Teachers Assistants

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	Worked well	Worked less well	Not applicable
4. TA's and students were informed on when lab reports should be handed in and circumstances surrounding the correction of these.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

5. Grading criteria were shared with the students at the beginning of the course

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- During the course

	Worked well	Worked less well	Not applicable
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1. Necessary equipment was available and worked

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2. The study councillor was informed on students who were experiencing learning challenges

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3. Lab reports were corrected in a timely manner after being handed in.

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- Exam and grading

	Worked well	Worked less well	Not applicable
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1. Examinations were done anonymously and according to examination rules

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2. The exam (the questions) were shared with the Chemistry Section Office 2 weeks after the course had ended

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	Worked well	Worked less well	Not applicable
3. The exams were corrected less then three weeks after the examination	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
4. Th students were offered a exam review	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
5. The grades for the practical part of the course was shared with the Chemistry Sections Office and the Director of Studies	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
6. The grades for the exam was shared with the Chemistry Section Office and the Director of Studies	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

- Follow up

	Worked well	Worked less well	Not applicable
1. Course specific questions were developed and shared with the Chemistry Sections Office			
1. Kursspecifika frågor för kursvärderingen formulerades och skickades till expeditionen	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
2. The Chemistry Section Office shared the final course evaluation with the Course Owner			
2. Expeditionen skickade en sammanställning av kursvärderingen till kursledaren	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>