



## Analytical Natural Products Chemistry KE0065, 30115.1819

7.5 Hp

Pace of study = 100%

Education cycle = Basic

Course leader = Lena Lundqvist

### Evaluation report

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**Evaluation period: 2019-03-18 - 2019-04-08**

Answers 10

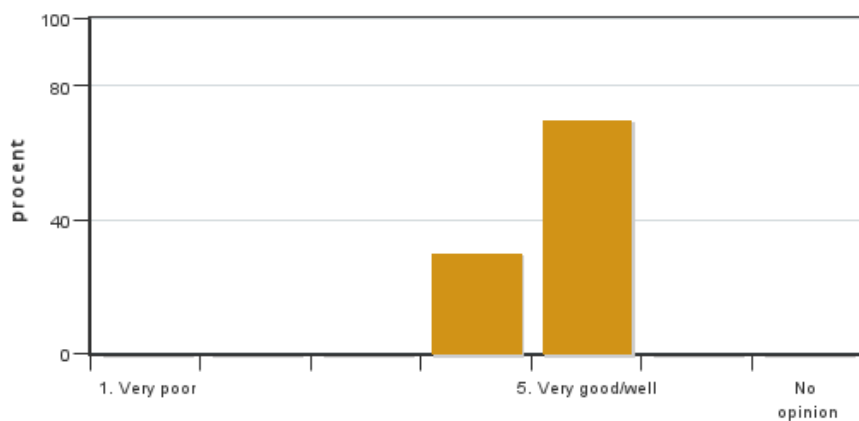
Number of students 20

Answer frequency 50 %

### Mandatory standard questions

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#### 1. My overall impression of the course is:



Answers: 10

Medel: 4,7

Median: 5

1: 0

2: 0

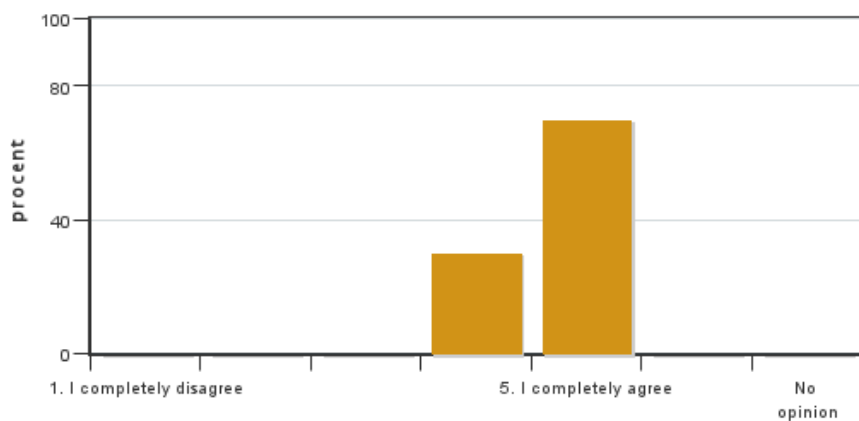
3: 0

4: 3

5: 7

No opinion: 0

#### 2. I found the course content to have clear links to the learning objectives of the course.



Answers: 10

Medel: 4,7

Median: 5

1: 0

2: 0

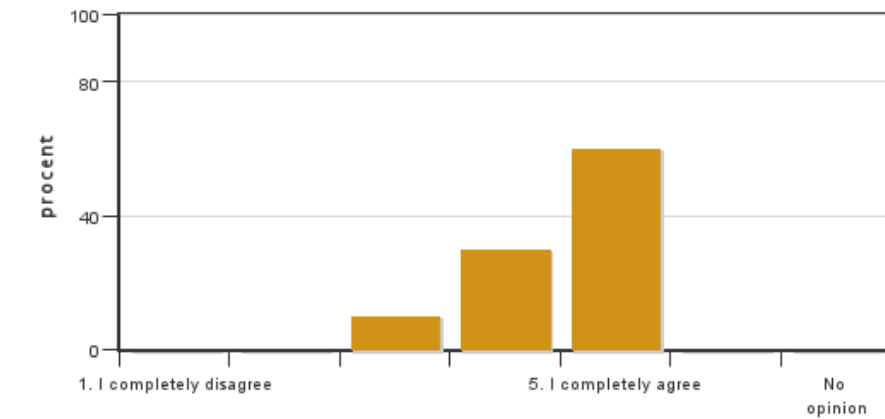
3: 0

4: 3

5: 7

No opinion: 0

**3. My prior knowledge was sufficient for me to benefit from the course.**



Answers: 10

Medel: 4,5

Median: 5

1: 0

2: 0

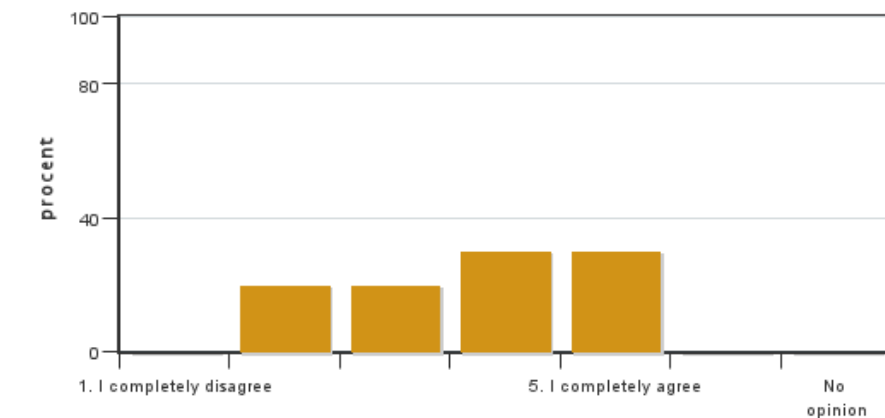
3: 1

4: 3

5: 6

No opinion: 0

**4. The information about the course was easily accessible.**



Answers: 10

Medel: 3,7

Median: 4

1: 0

2: 2

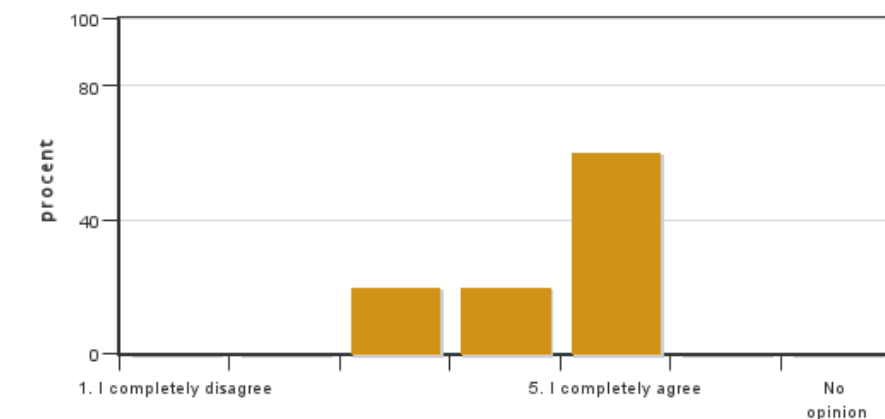
3: 2

4: 3

5: 3

No opinion: 0

**5. The various course components (lectures, course literature, exercises etc.) have supported my learning.**



Answers: 10

Medel: 4,4

Median: 5

1: 0

2: 0

3: 2

4: 2

5: 6

No opinion: 0

**6. The social learning environment has been inclusive, respecting differences of opinion.**



Answers: 10

Medel: 4,7

Median: 5

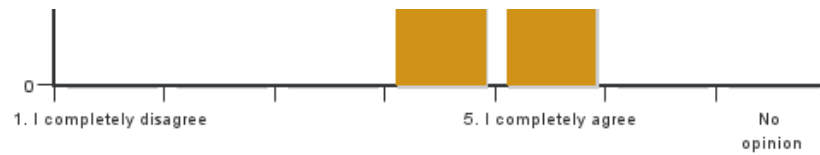
1: 0

2: 0

3: 0

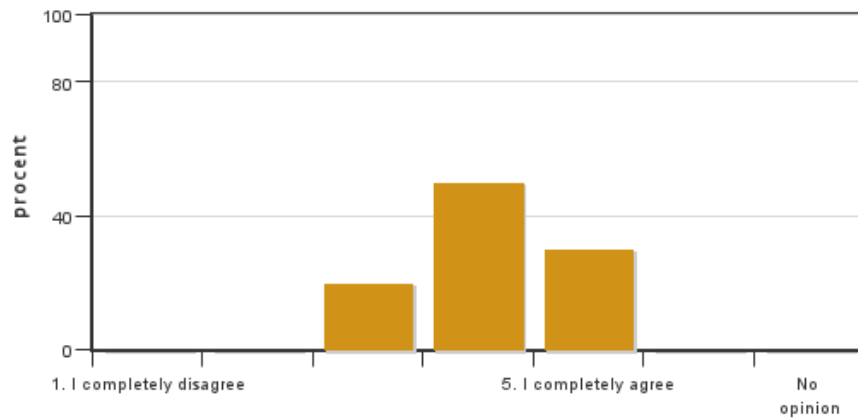
4: 3

5: 7



No opinion: 0

**7. The physical learning environment (facilities, equipment etc.) has been satisfactory.**



Answers: 10

Medel: 4,1

Median: 4

1: 0

2: 0

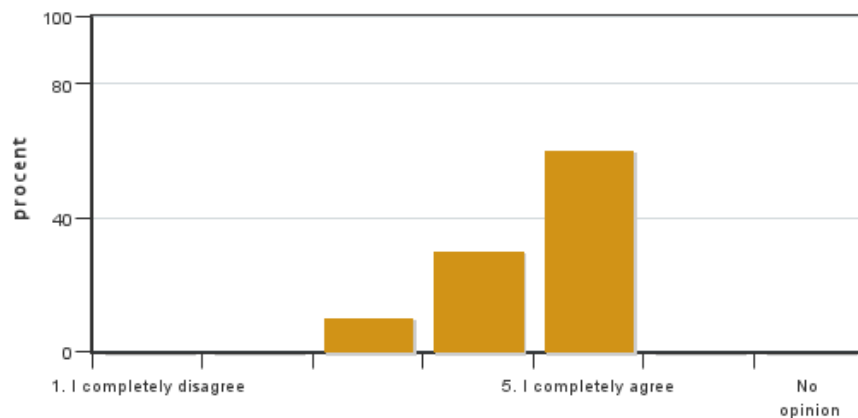
3: 2

4: 5

5: 3

No opinion: 0

**8. The examination(s) provided opportunity to demonstrate what I had learnt during the course (see the learning objectives).**



Answers: 10

Medel: 4,5

Median: 5

1: 0

2: 0

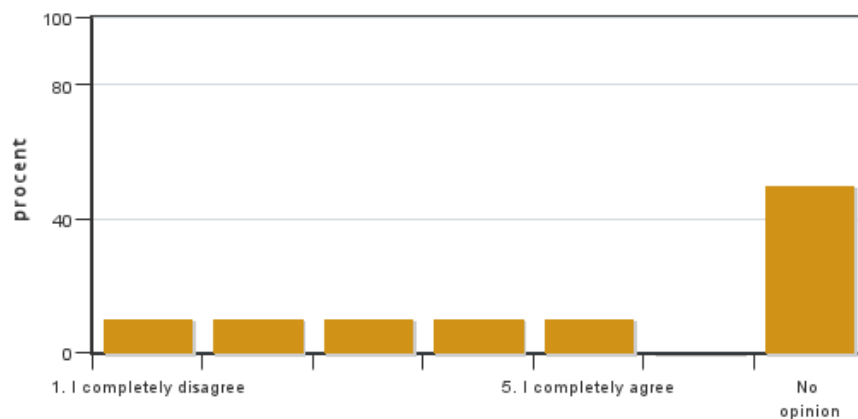
3: 1

4: 3

5: 6

No opinion: 0

**9. The course covered the sustainable development aspect (environmental, social and/or financial sustainability).**



Answers: 10

Medel: 3,0

Median: 3

1: 1

2: 1

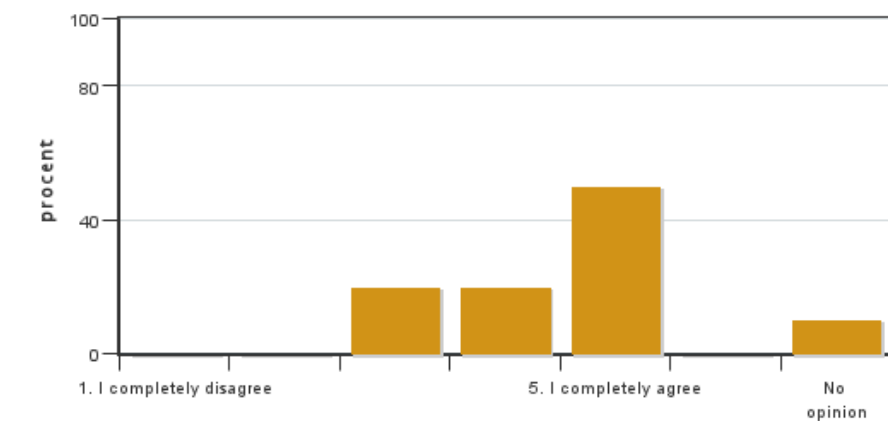
3: 1

4: 1

5: 1

No opinion: 5

**10. I believe the course has included a gender and equality aspect, regarding content as well as teaching practices (e.g. perspective on the subject, reading list, allocation of speaking time and the use of master suppression techniques).**

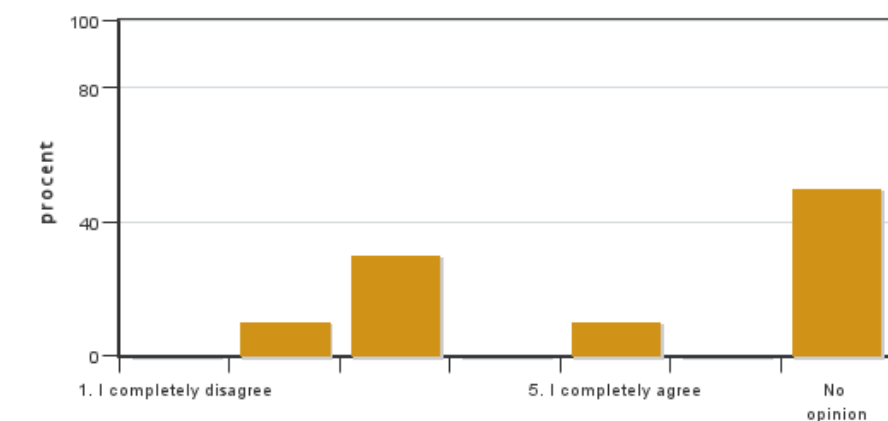


Answers: 10  
 Medel: 4,3  
 Median: 5

1: 0  
 2: 0  
 3: 2  
 4: 2  
 5: 5

No opinion: 1

#### 11. The course covered international perspectives.

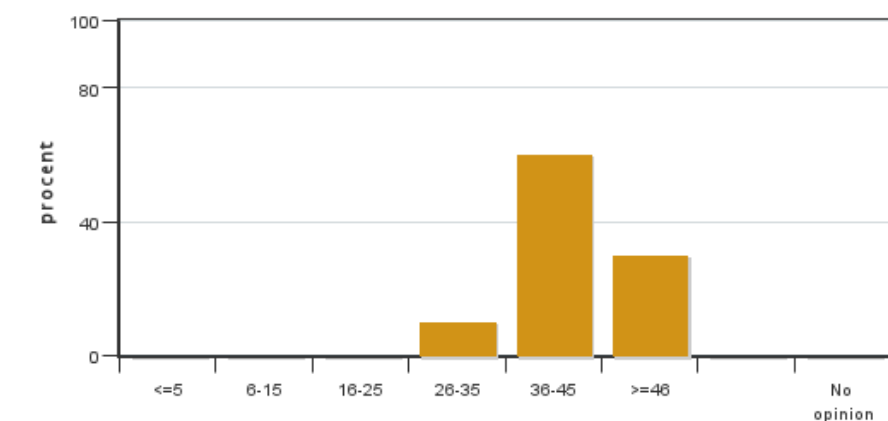


Answers: 10  
 Medel: 3,2  
 Median: 3

1: 0  
 2: 1  
 3: 3  
 4: 0  
 5: 1

No opinion: 5

#### 12. On average, I have spent ... hours/week on the course (including timetabled hours).



Answers: 10  
 Medel: 40,8  
 Median: 36-45

≤5: 0  
 6-15: 0  
 16-25: 0  
 26-35: 1  
 36-45: 6  
 ≥46: 3

No opinion: 0

## Course leaders comments

This is the second time the course Analytical Natural Product Chemistry is given as a 7.5 Hp course (before 10 Hp). The answer frequency were only 47% this year. Most of the students had a good overall impression of the course (4.7 average). The students thought that the course content had a clear link to the learning objectives of the course (4.7 average), and that their prior knowledge was sufficient to benefit from the course (4.5 average), also the various course components (lectures, course literature, exercises) was considered to support the learning (4.4 average). This year no comments on the literature were made, which I think is due to that the student did not use it, however the compendium was very much appreciated, even though the wish more text on the slides. The students thought that the information about the courser were not so easily accessible (3.7 average) and missed the online Canvas page, this would be easily fixed until next year.

The social learning environment was considered to be inclusive (4.7 average), and the physical learning environment

was considered to be satisfactory (4.1 average) just as last year the students did not appreciate the lecture halls in BioC (C216 and C213), and this should be arranged until next year.

Last year we tested to divide the laboratory practice better, that lead to some idle time that was not appreciated by the students, so this year we added some exercises that could be worked on during the idle time. The students seems to appreciate the new planning of the laboratory work, but we will try to keep on improving the laboratory work.

The exercises was very much appreciated, as well as the laboratory practice and especially the project.

Until next year the grading criteria should be updated, and the schedule should be worked with a little more, so that the time is used more efficient. The students thought that the course was intense, and wished for some more time to read for the final exam to get a better opportunity to show their knowledge.

## Student representatives comments

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Unfortunately, it was a low answer frequency, only 10 of 21 students answered the course evaluation. However, the students were in general satisfied with the course. The course had a high level, was interesting, structured and contained relevant fact. The majority thought their prior knowledge was sufficient to benefit from the course, but everyone appreciated that the teacher repeated the most important fact from previous chemistry courses. It was an intense course from Day 1 and the students have spent minimum 36 hours per week.

The course contained a mid-exam, a final exam, several of labs, a lab test and a project. The labs were very informative and fun. Most students thought they learned a lot during the labs. The project was appreciated among the students. Everyone enjoyed choosing their own subject. The project really developed your laboratory skills and made you think outside the box. The only negative thing was that the project and presentation were very close to the exam, some student thought this was a bit stressful and had preferred to be home and study to the exam instead of presenting their work.

Things that can be better to next year:

- The rating criteria must be updated
  - More text on the slides in the compendium and try to delete all unnecessary question marks.
  - Labelling the pages in the compendium and upload the compendium, lab manual and exercise to Canvas.
- Most students appreciated that the compendium, lab manual and exercises were printed out, but it had been very good to be able to reach the information online as well.