



## Microbial Horticulture BI1368, 30122.2122

15 Hp

Pace of study = 100%

Education cycle = Advanced

Course leader = Anna Karin Rosberg, Beatrix Alsanius

### Evaluation report

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**Evaluation period: 2022-03-16 - 2022-04-06**

Answers 11

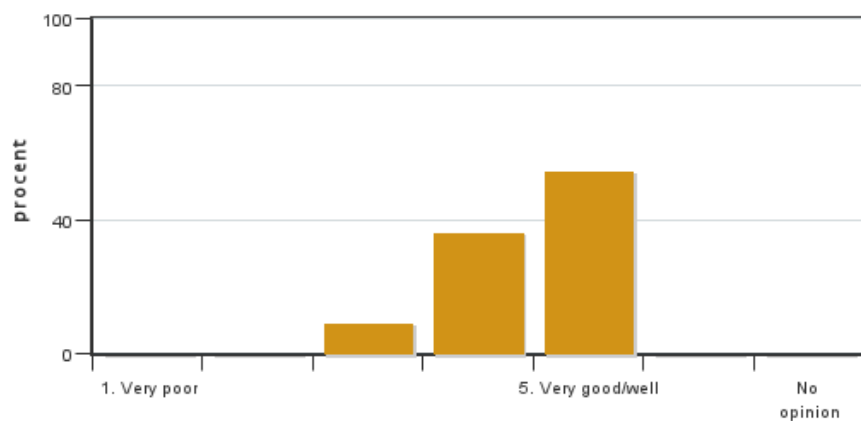
Number of students 16

Answer frequency 68 %

### Mandatory standard questions

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



Answers: 11

Medel: 4,5

Median: 5

1: 0

2: 0

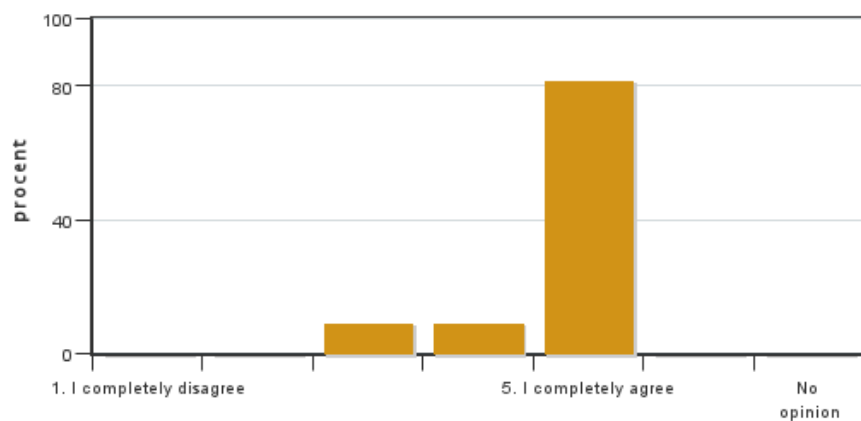
3: 1

4: 4

5: 6

No opinion: 0

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



Answers: 11

Medel: 4,7

Median: 5

1: 0

2: 0

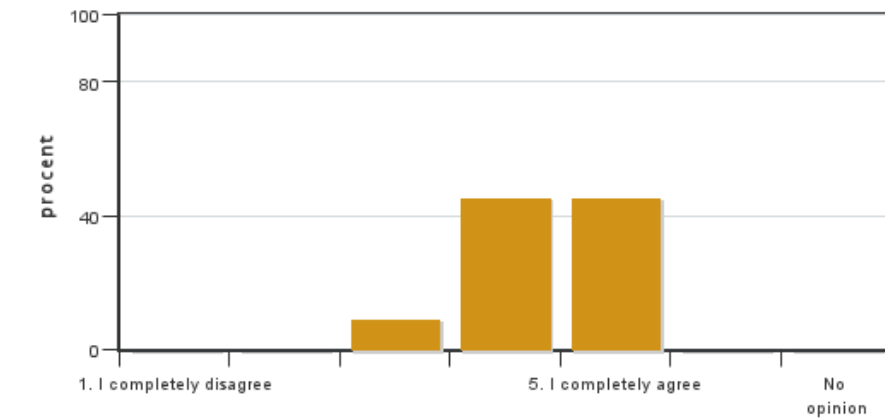
3: 1

4: 1

5: 9

No opinion: 0

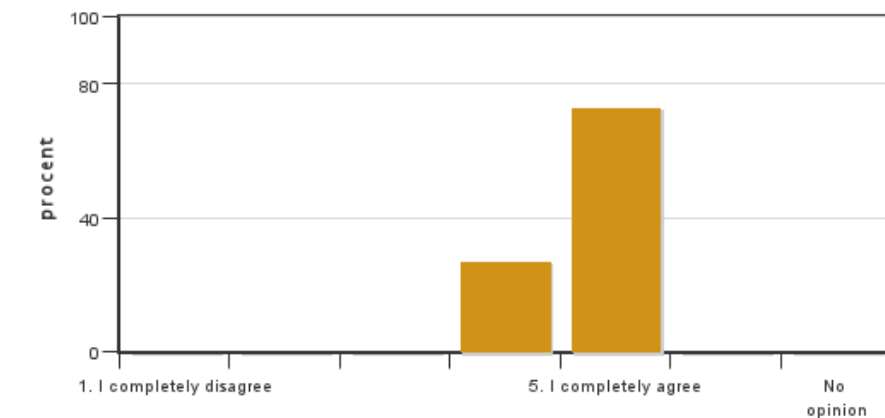
**3. My prior knowledge was sufficient for me to benefit from the course.**



Answers: 11  
Medel: 4,4  
Median: 4

1: 0  
2: 0  
3: 1  
4: 5  
5: 5  
No opinion: 0

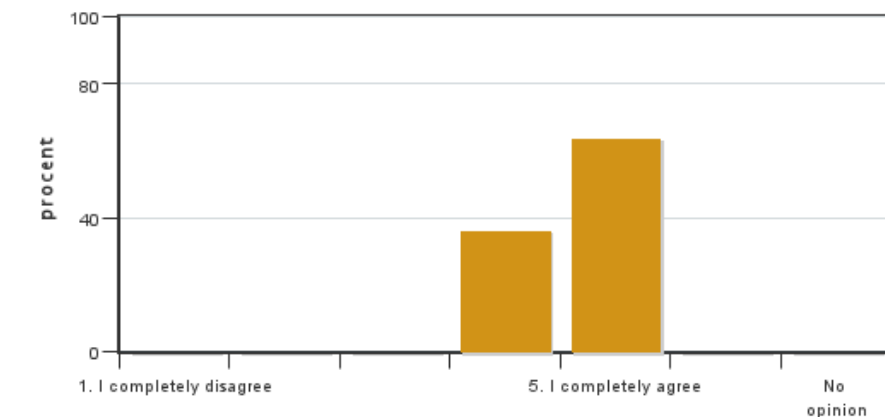
**4. The information about the course was easily accessible.**



Answers: 11  
Medel: 4,7  
Median: 5

1: 0  
2: 0  
3: 0  
4: 3  
5: 8  
No opinion: 0

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



Answers: 11  
Medel: 4,6  
Median: 5

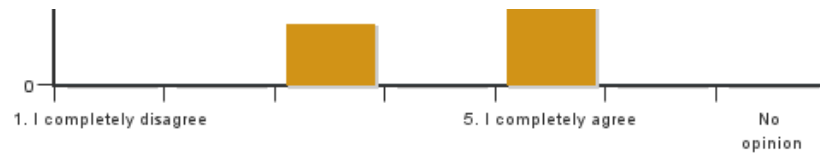
1: 0  
2: 0  
3: 0  
4: 4  
5: 7  
No opinion: 0

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



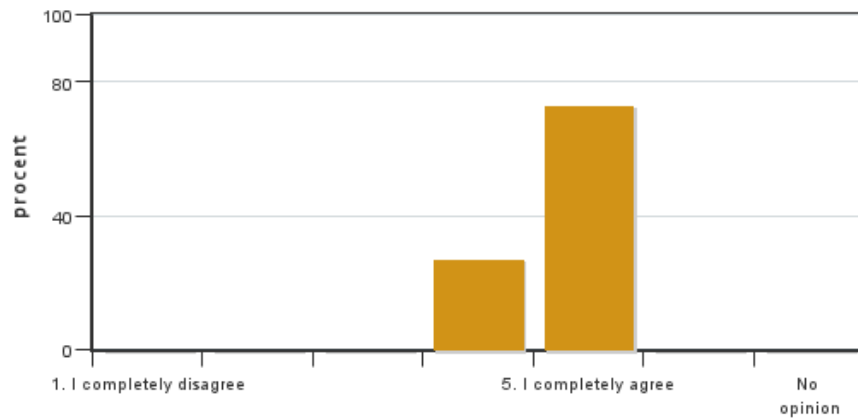
Answers: 11  
Medel: 4,6  
Median: 5

1: 0  
2: 0  
3: 2  
4: 0  
5: 9



No opinion: 0

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



Answers: 11

Medel: 4,7

Median: 5

1: 0

2: 0

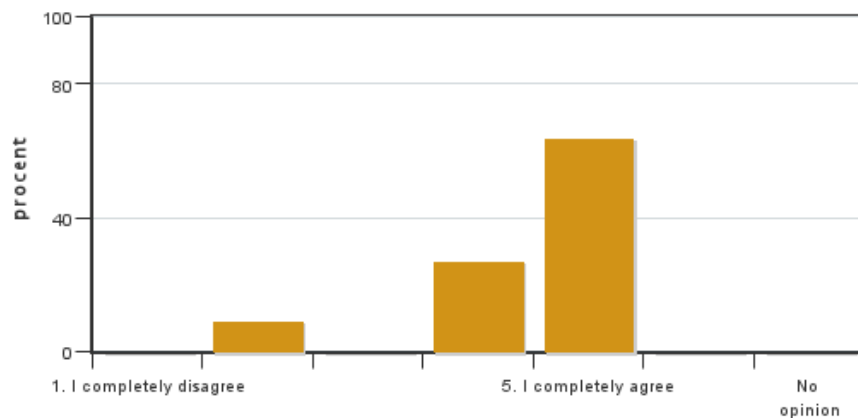
3: 0

4: 3

5: 8

No opinion: 0

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



Answers: 11

Medel: 4,5

Median: 5

1: 0

2: 1

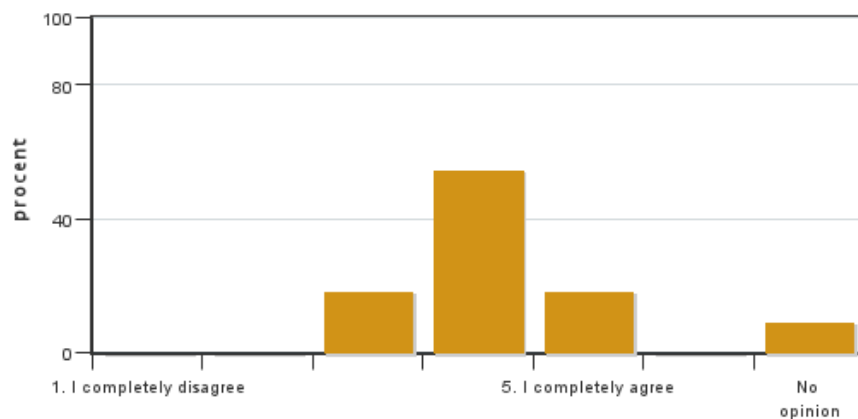
3: 0

4: 3

5: 7

No opinion: 0

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



Answers: 11

Medel: 4,0

Median: 4

1: 0

2: 0

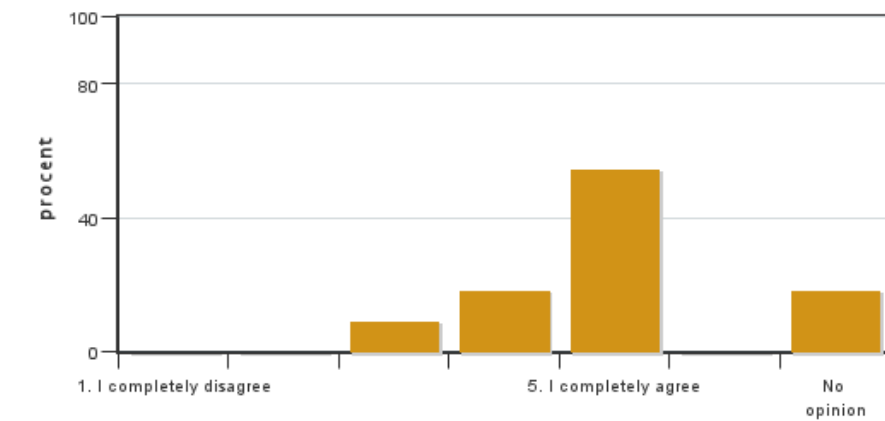
3: 2

4: 6

5: 2

No opinion: 1

**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).**

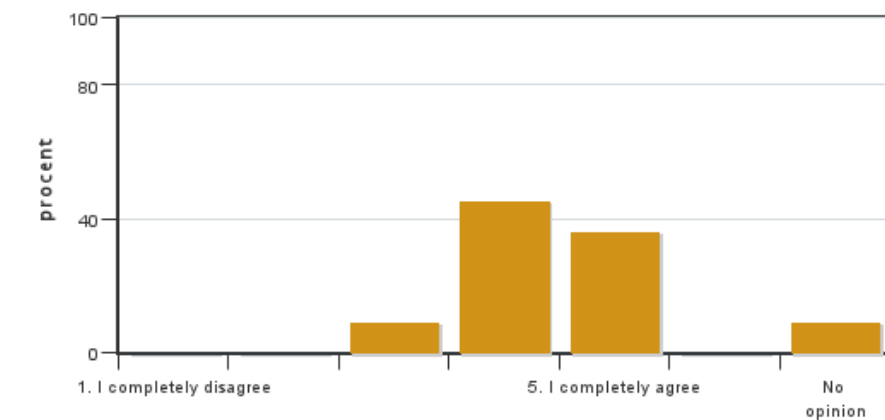


Answers: 11  
Medel: 4,6  
Median: 5

1: 0  
2: 0  
3: 1  
4: 2  
5: 6

No opinion: 2

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

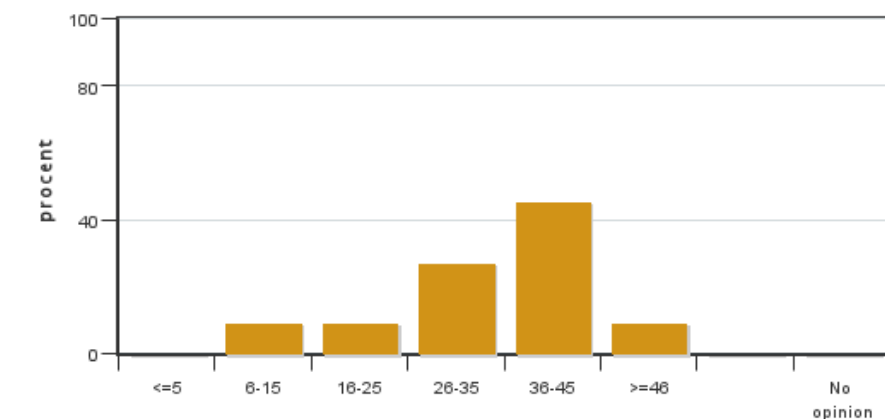


Answers: 11  
Medel: 4,3  
Median: 4

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

No opinion: 1

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

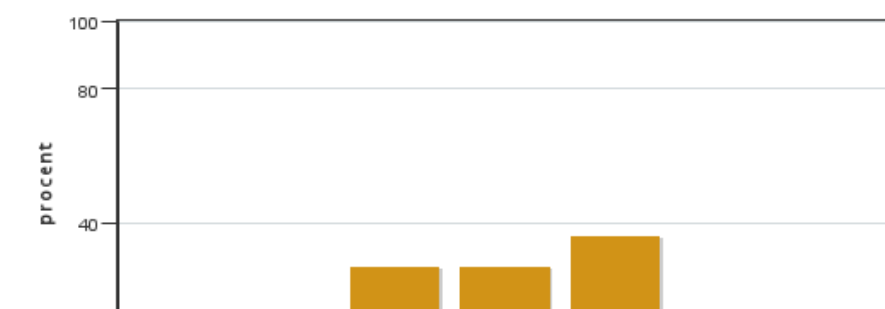


Answers: 11  
Medel: 33,3  
Median: 36-45

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

No opinion: 0

#### 13. If relevant, what is your overall experience of participating in all or part of your course online?



Answers: 11  
Medel: 4,1  
Median: 4

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

No opinion: 1



**14. If relevant, please share what worked well when participating in teaching on distance**

**15. If relevant, please share what worked less well when participating in teaching on distance**

## Course leaders comments

The course in Microbial Horticulture was given as an on campus course with 16 students. Out of the 16 students, 11 answered the course evaluation giving an answer frequency of 68 %. Overall the course evaluation score was high with a mean value of 4.5.

All lectures were given on campus, but due to continuing issues with Covid-19 where students with symptoms had to stay at home, the lectures could also be followed on zoom. The equipment used for setting up the zoom-meetings in the classroom was not optimal but in most cases sufficient to see the powerpoint presentation and hear the lecturer. Classroom discussion however were difficult to follow. Should the pandemic be a continued issue also in the coming years, then equipment for hybrid teaching needs to be improved.

Other improvements to be made for the coming years:

- To include sections where sustainability is discussed in a more direct manner. While the course does deal with environmental sustainability, it is not as clearly outspoken as it could be.
- To improve the balance of the work load over the course. Several students felt that the work load was too high towards the end of the course. Some deadlines for assignments and hand-ins can probably be placed earlier to improve this balance.
- To encourage, and also schedule time slots for discussion groups, in order for the students to work together with lab reports and also to prepare for the exam together. A group of students initiated this on their own this year, and this peer based learning was very beneficial.
- To improve on including international perspectives. While microbe-plant-soil interactions are rather similar across the globe, more time could be spent on making sure that the international perspective is better covered.
- To be clearer about the grading criteria for the oral exam, and to make sure to give more feedback on the results of the exam. A clear motivation should be included with the exam grades.

## Student representatives comments

Overall this course was seen as very well by the students. Most students mark this course 5/5 with a medium score of 4.5. It was regarded as good because it was inspiring and challenging which was well communicated beforehand and fulfilled most of the expectations. Unfortunately sustainability integration and parts of the oral exam were criticized little.

The latter was representative of the teaching during classes etc. but it was felt by few students that preparation for this exam was not supported during the course (1 student) and that afterwards reflection on grades was poorly communicated. (Few students) Especially the last part is divided among the students. One side was happy and understood clearly what was asked for (one could suggest these are the students with a 5 on the oral exam). Whereas a few voices mentioned that they did not seem to understand why a 5 was obtained by them. Overall the majority of student did prefer this way and saw it as a great learning opportunity.

Sustainability integration could have been improved (4/5) because direct teaching and potentially a small workshop focussing on sustainability were missing. The portfolio's aimed to contribute to this but did not fully reflected to sustainable development in the correct way.

Some other comments on the course;

Learning environment was not always felt as inclusive. Some student felt that men voices were more listened too and better understood. On the other hand some comments were that it felt as a good ambience and respect during the course. It is always a shame to hear and needs to be understood. However there is not direct link to the course set up so unclear what could be improved here from a course organisational perspective.

Canvas did a good job and nothing to improve on information availability. Some students felt that lectures inside the lab were confusing. Overall lab work was regarded as positive and a great learning opportunity. The first weeks of the

course were seen as very positive by the students to get a basic understanding of microbial biology.

Most students spent between 26-45 hours a week on this course. With a little more increase towards the end. One comment was that quizzes occasionally were published in such a way that it felt students had to work over the weekend.

Course evaluation related to online/distance:

mixed feelings among the students. Hybrid was regarded as positive and fair when one would fall ill. The quality of hybrid was mixed depending on the teacher. Improvements on sounds, discussion possibilities have to be made in order to continue.

Very good to read the comment by the students in relation to the course leaders comments. If all the points described by students and understood by the course leader as written, this course will have a clear improvement. However it is not clear how the sustainability aspect can be integrated more if this is what is needed for the course.

Overall I think I can speak for most of my fellow students that we learned a lot in this course in a positive and effective way. Thanks to all participants who organized this course.

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Kontakta support: [support@slu.se](mailto:support@slu.se) - 018-67 6600