Sustainable technologies for low- and medium income countries TN0354, 10221.2122

7.5 Hp
Pace of study = 25%
Education cycle = Advanced
Course leader = Evgheni Ermolaev

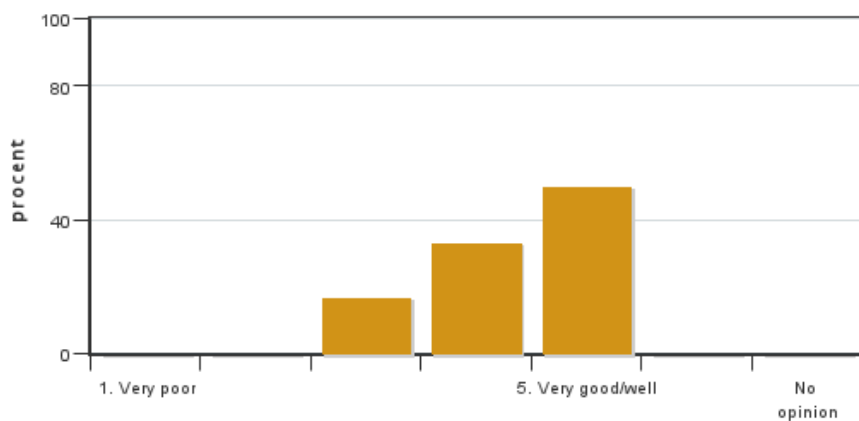## Evaluation report

Evaluation period: 2022-01-09 - 2022-01-30

Answers   6
Number of students   13
Answer frequency   46 %

Mandatory standard questions

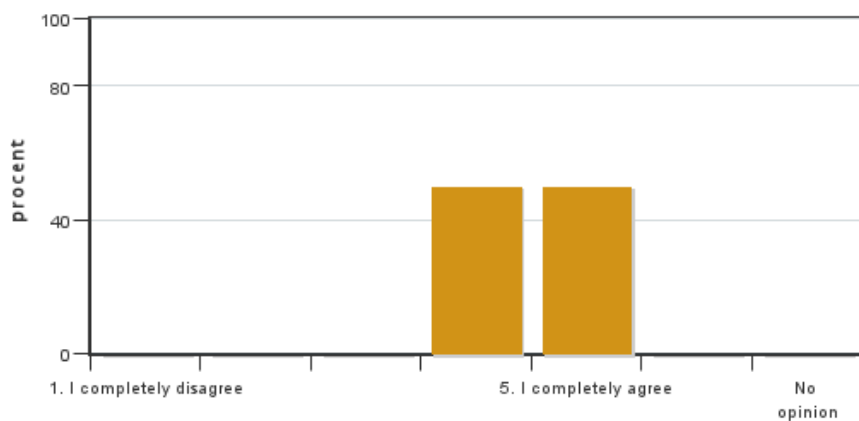**1. My overall impression of the course is:**

Answers: 6
Medel: 4,3
Median: 4

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

No opinion: 0

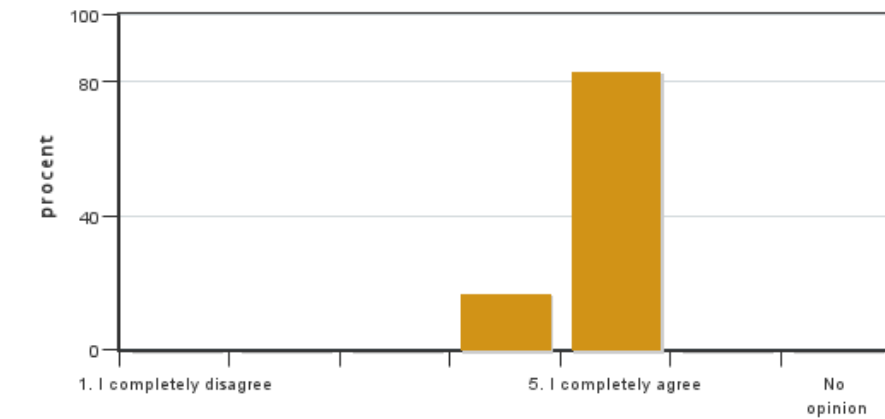**2. I found the course content to have clear links to the learning objectives of the course.**

Answers: 6
Medel: 4,5
Median: 4

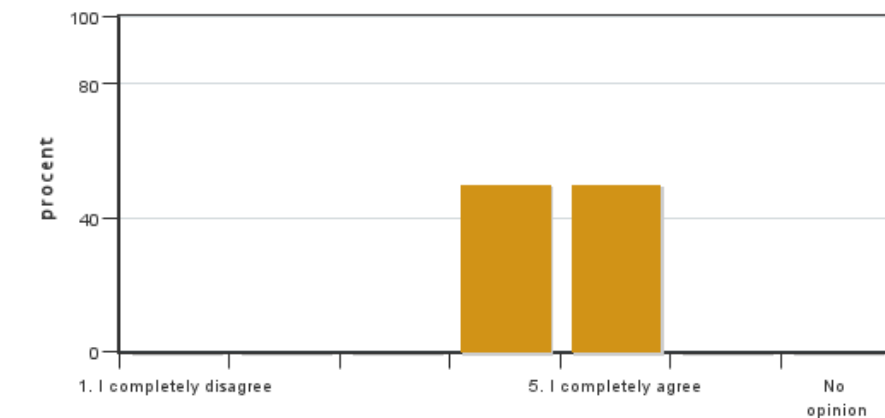1: 0
2: 0
3: 0
4: 3
5: 3

No opinion: 0

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

Answers: 6
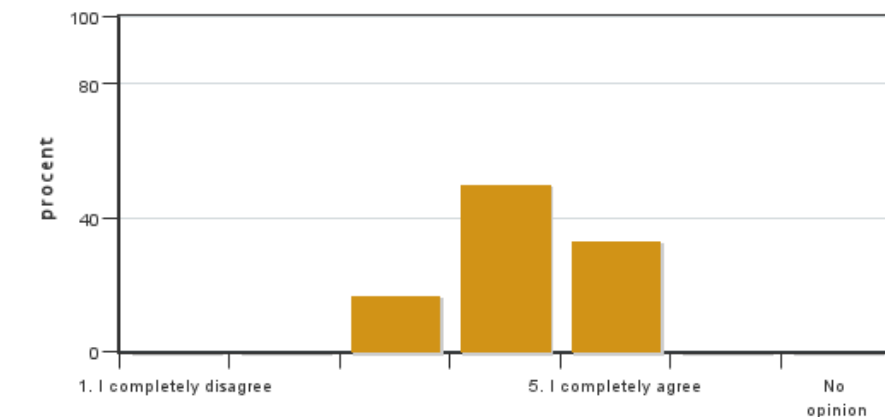Medel: 4,8
Median: 5

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

No opinion: 0

4. The information about the course was easily accessible.

Answers: 6
Medel: 4,5
Median: 4

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

No opinion: 0

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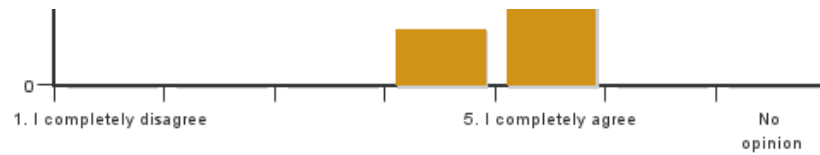

Answers: 6
Medel: 4,2
Median: 4

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

No opinion: 0

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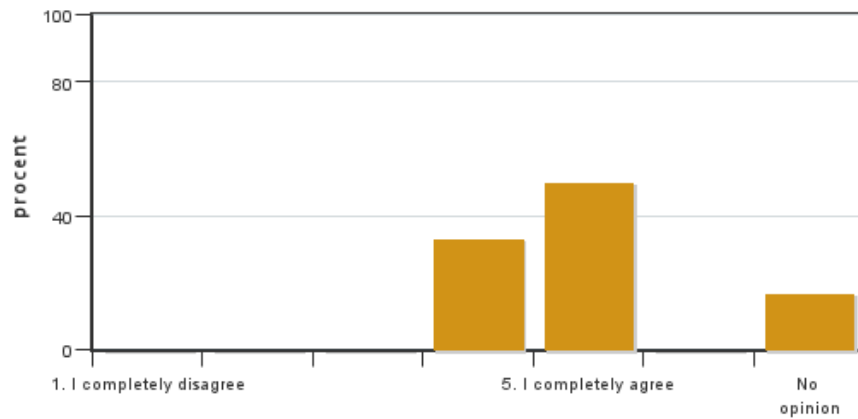

Answers: 6
Medel: 4,8
Median: 5

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

No opinion: 0

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

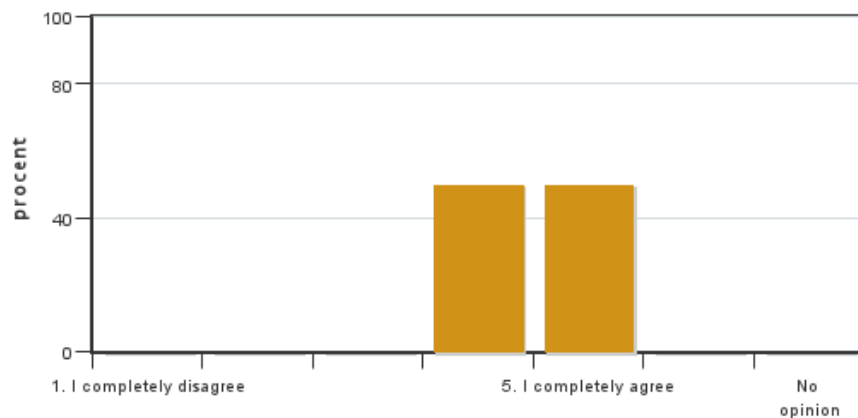Answers: 6
Medel: 4,6
Median: 5

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

No opinion: 1

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

Answers: 6
Medel: 4,5
Median: 4

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

No opinion: 0

9. The course covered the sustainable development aspect (environmental, social and/or financial sustainability).
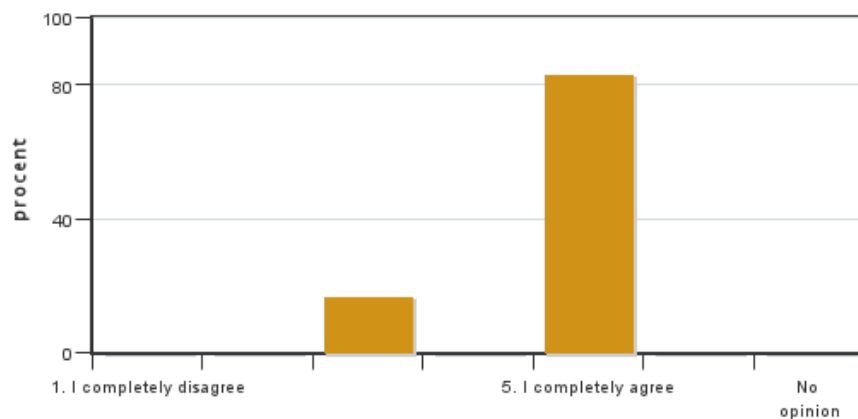
Answers: 6
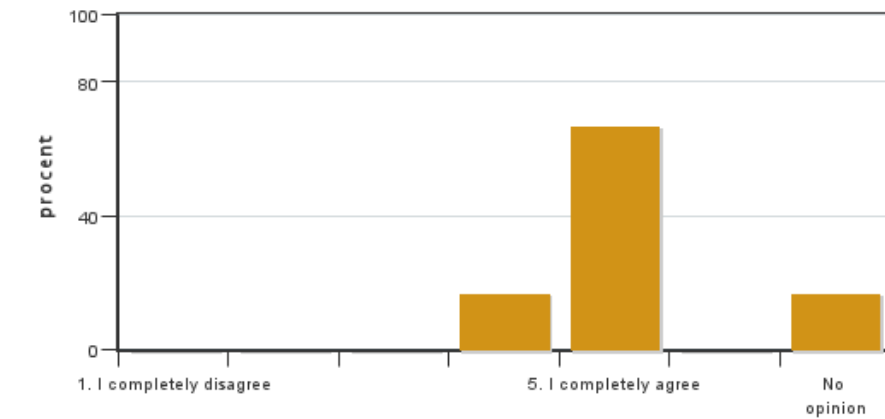Medel: 4,7
Median: 5

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

No opinion: 0

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: 6
Medel: 4,8
Median: 5

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

11. The course covered international perspectives.
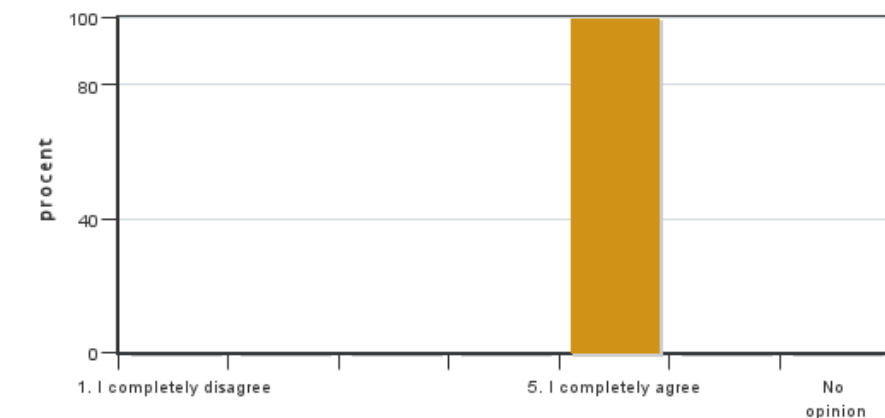
Answers: 6
Medel: 5,0
Median: 5

1: 0
2: 0
3: 0
4: 0
5: 6
No opinion: 0

12. On average, I have spent … hours/week on the course (including timetabled hours).
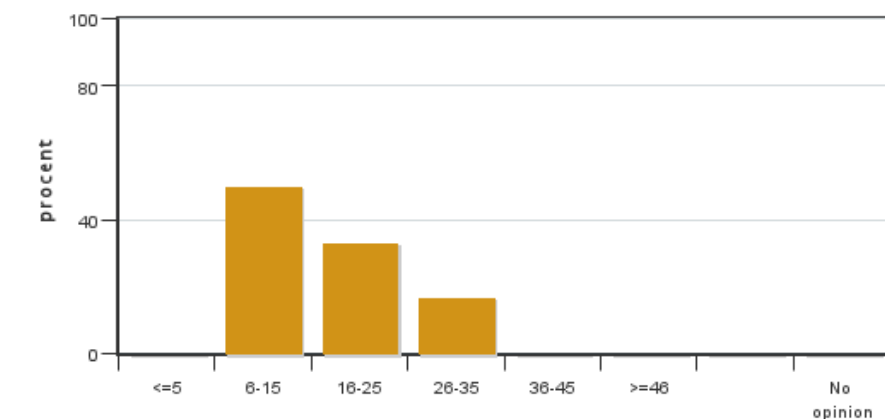
Answers: 6
Medel: 16,7
Median: 6-15

≤5: 0
6-15: 3
16-25: 2
26-35: 1
36-45: 0
≥46: 0
No opinion: 0

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

Answers: 6
Medel: 3,7
Median: 4

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

0 | 1. Very poor | 5. Very good/well | No opinion

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
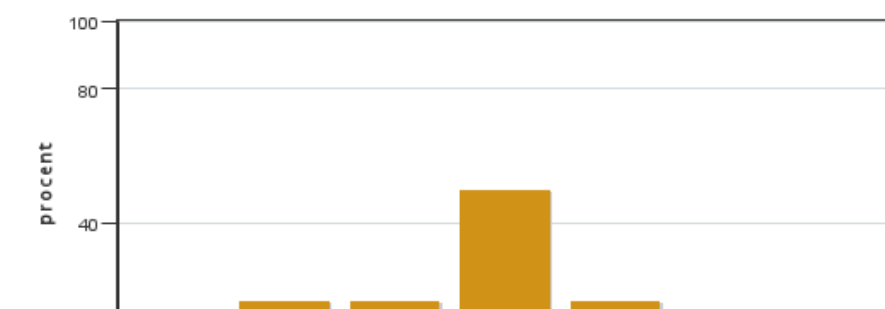
Course leaders comments

The course evaluation was performed by 6 students. Out of 14 registered students, 12 actively participated in the entire course. This means that the actual evaluation answer frequency was 50% of students that participated in the course. An additional evaluation form with questions about course modules was also provided, but was answered by only 3 students.

The overall course evaluation was very positive and students were generally satisfied with the course. Besides some smaller issues with technology, and challenges in online learning, some comments highlighted the need for better information in connection to project work planning. In general it is something that the teachers in the course anticipate at the beginning of the project work, because the students need to absorb a lot of knowledge about the case study in the project work. We generally schedule multiple consultations and have regular discussions and contact with students during this time to address this. This has also been highlighted in the positive comments submitted in the evaluation.

Having the final presentation and opposition was challenging due to both limited time and it being performed online. This was because there were 4 project groups and 12 students who needed to oppose. In the future, if the presentations have to be online, the final presentations could be scheduled over two days.

The comments by the student representative generally summarise the student comments very well, I would like to thank the representative and the students participating in the course for their interest, engagement and dedication!

Student representatives comments

Overall, the course has had a great impression on the students. The only part in the evaluation that did get a lower average score was how the online studies went. Because of the pandemic many teaching moments as well as the group work and presentations were held online. For the majority of the students it worked well. They thought that the classes online were organized and that all necessary information for the online classes was provided. The lectures were also interesting and supportive during assignments, projects, and other course related activities.

However, some feedback on having the teaching online was that it could be harder to understand the teachers sometimes during online classes and that group discussions worked less well. Additionally, there were difficulties with the technology sometimes, which led to that the lectures were delayed or that there were shorter or no breaks. Some students also experienced that they were less concentrated at home than in the classroom and that some teaching moments such as the group project and the project presentations were difficult to have online. To improve the online lectures the teachers could come better prepared regarding the technical issues and make sure to give the students breaks when needed since it can be harder to concentrate online. Since the project presentations normally not are preformed online, these issues probably will resolve themselves after the pandemic.

Additional feedback from students were:

- Some exercises had to little information beforehand. This could be improved by the teachers publishing the information for the lectures and exercises at least a week before.

- The opposition on the project work could have been made in written form instead of orally, since it took a lot of time to listen to all the opponents during the presentation day.

- It took a lot of work to prepare for some lectures. An improvement here could be to make sure that the different lecturers have given the similar amount of work and reading for the students to do before the seminars.

+ The international perspectives of the course were very interesting.

+ In the group project all participants in the groups gained knowledge from each other and the small groups allowed everyone to participate in and develop the project.

+ There was good connection and support from the supervisor during the project work.

+ The different modules in the course were all interesting and well structured. It was also interesting how they were linked to each other

A specific wish for the future would be some kind om field trip to see a few technologies that have been brought up during the course.