



Land use and watershed management to reduce eutrophication MV0217, 20084.1819

7.5 Hp

Pace of study = 100%

Education cycle = Advanced -

Course leader = Magdalena Bieroza

Evaluation report

Evaluation period: 2018-12-07 - 2018-12-20

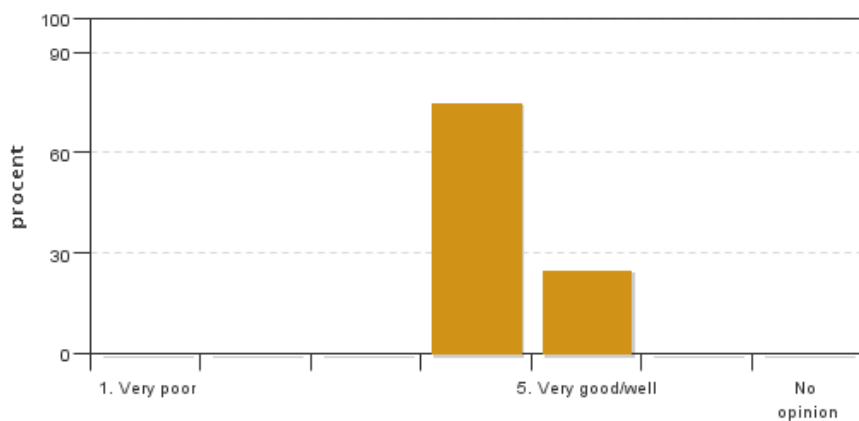
Answers 4

Number of students 5

Answer frequency 80 %

Mandatory standard questions

1. My overall impression of the course is:

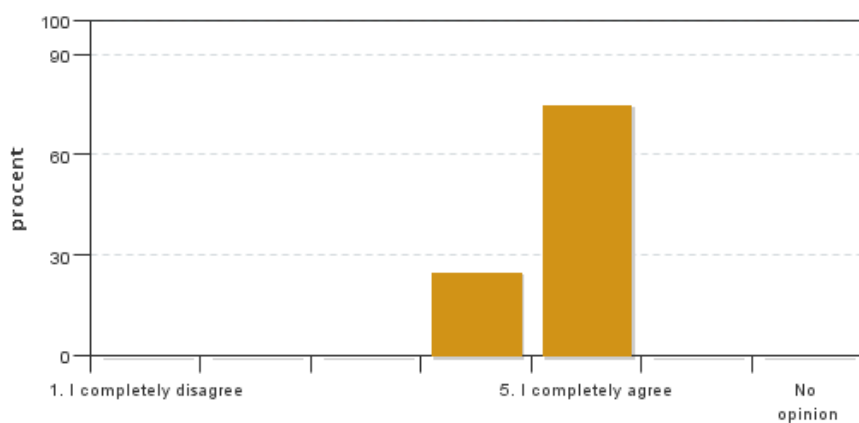


Answers: 4
Medel: 4,3
Median: 4

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

No opinion: 0

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

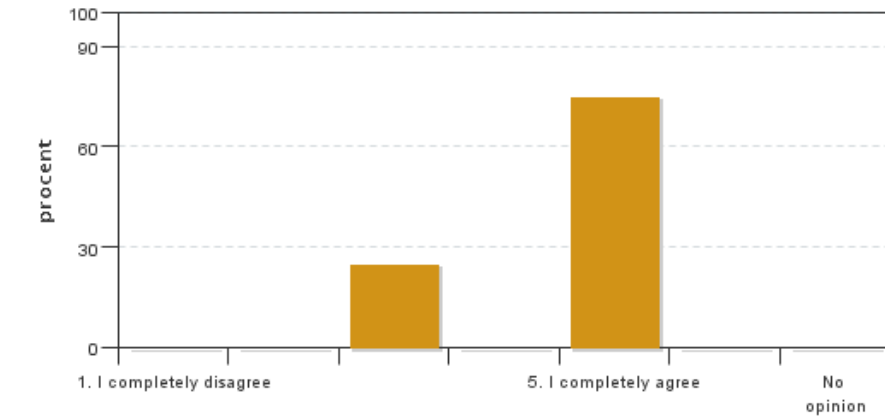


Answers: 4
Medel: 4,8
Median: 5

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

No opinion: 0

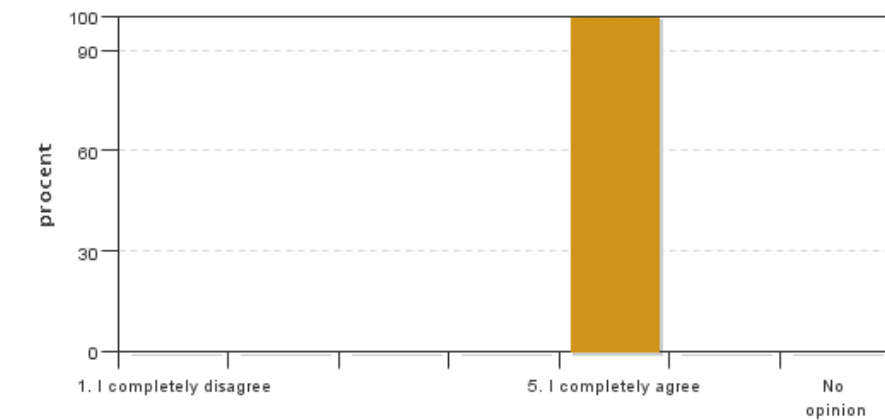
3. My prior knowledge was sufficient for me to benefit from the course.



Answers: 4
 Medel: 4,5
 Median: 5

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

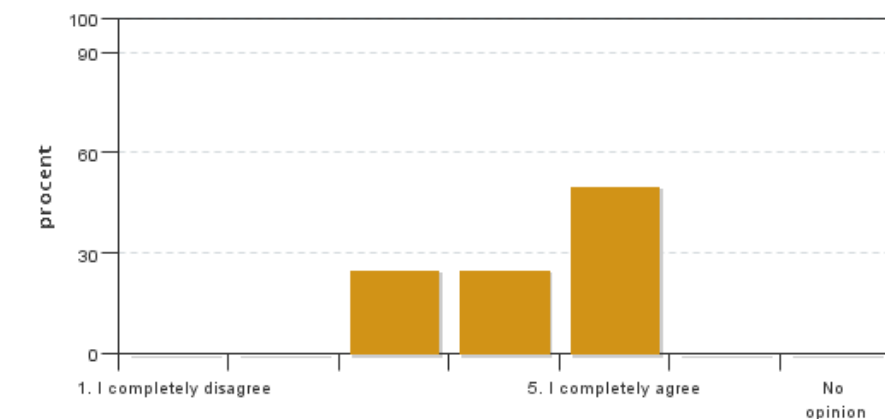
4. The information about the course was easily accessible.



Answers: 4
 Medel: 5,0
 Median: 5

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

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



Answers: 4
 Medel: 4,3
 Median: 4

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

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



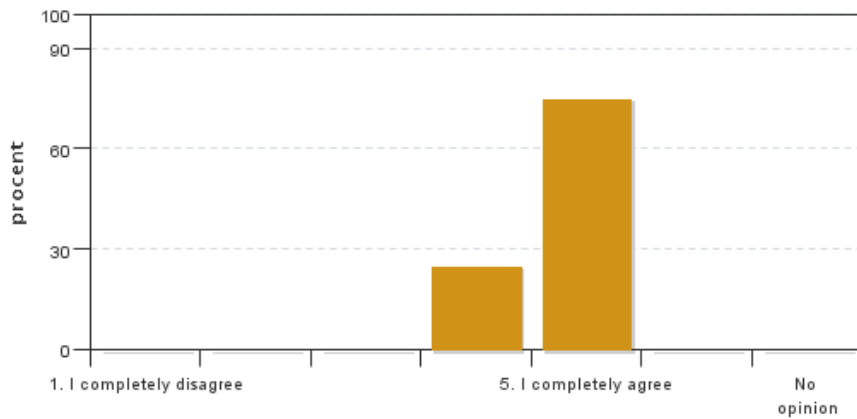
Answers: 4
 Medel: 5,0
 Median: 5

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



No opinion: 0

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

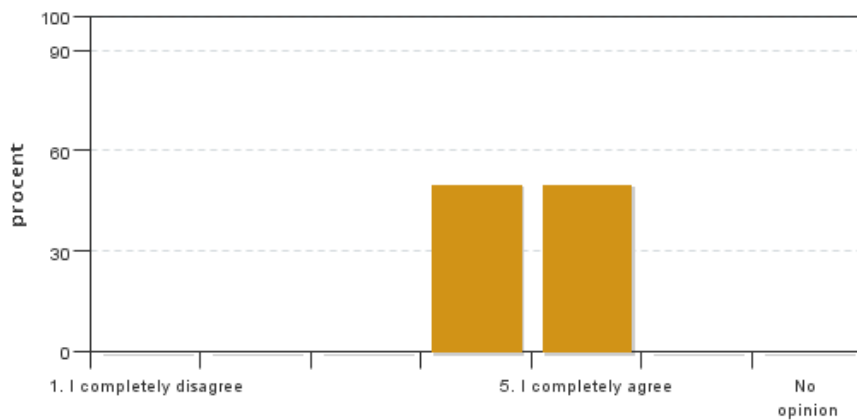


Answers: 4
Medel: 4,8
Median: 5

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

No opinion: 0

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

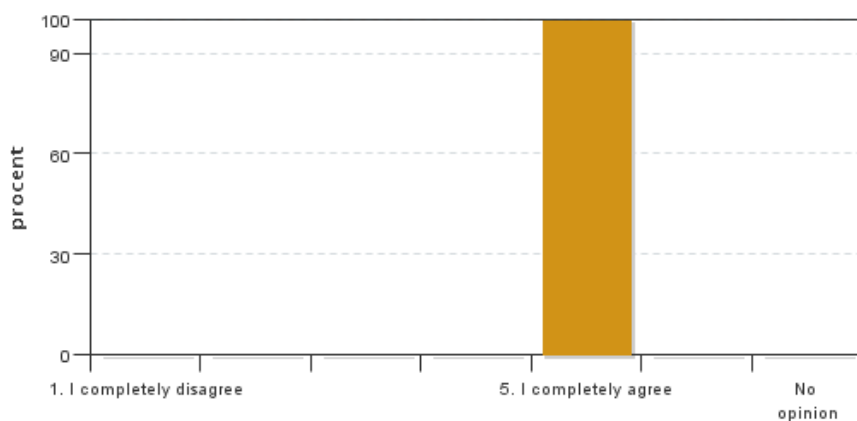


Answers: 4
Medel: 4,5
Median: 4

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

No opinion: 0

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

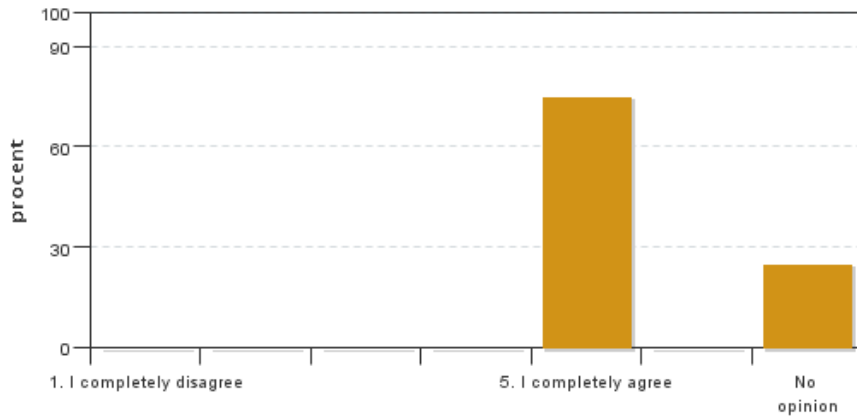


Answers: 4
Medel: 5,0
Median: 5

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

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).

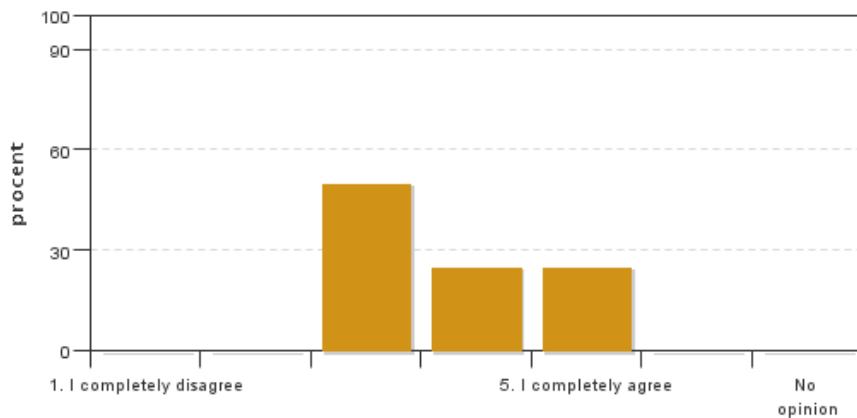


Answers: 4
 Medel: 5,0
 Median: 5

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

No opinion: 1

11. The course covered international perspectives.

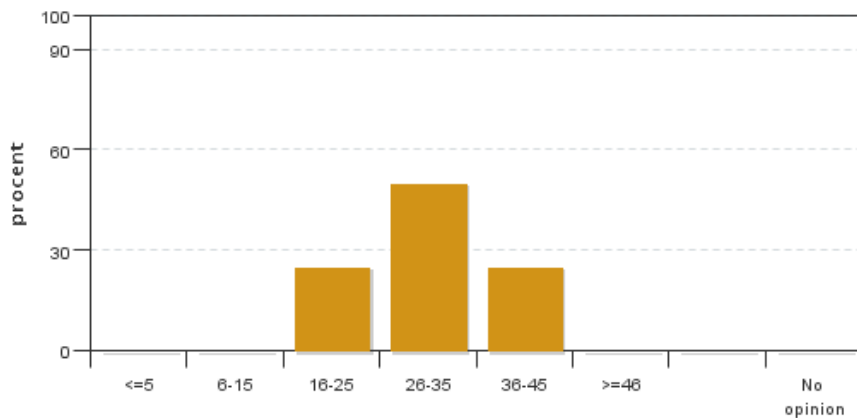


Answers: 4
 Medel: 3,8
 Median: 3

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

No opinion: 0

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



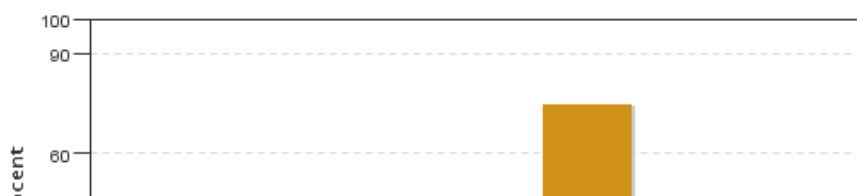
Answers: 4
 Medel: 30,0
 Median: 26-35

≤5: 0
 6-15: 0
 16-25: 1
 26-35: 2
 36-45: 1
 ≥46: 0

No opinion: 0

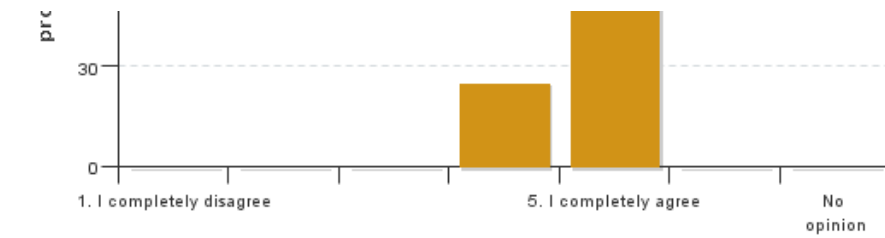
Additional own questions

13. The course introduction lecture provided me with all information needed for the course (Magdalena Bieroza and Lars Bergström).



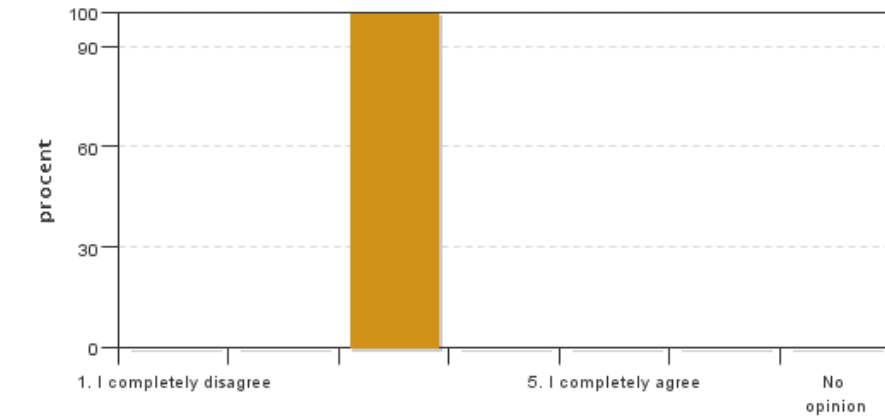
Answers: 4
 Medel: 4,8
 Median: 5

1: 0
 2: 0



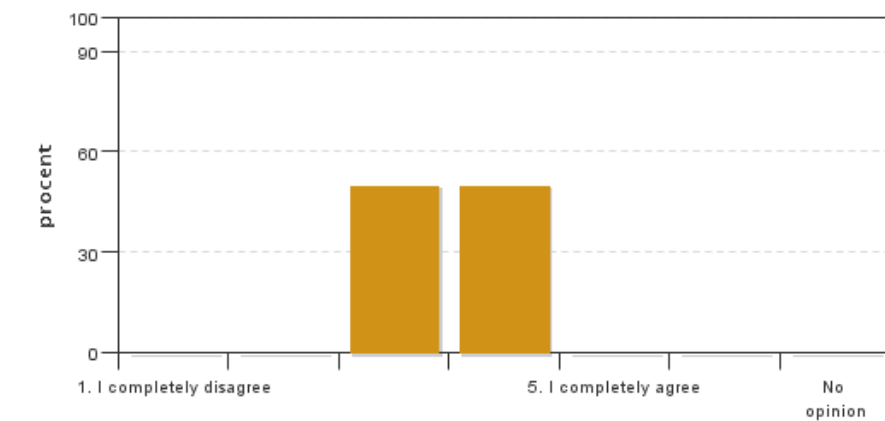
3: 0
 4: 1
 5: 3
 No opinion: 0

14. The hydrology lecture was useful and relevant to the topic of the course (Tamara Kolbe).



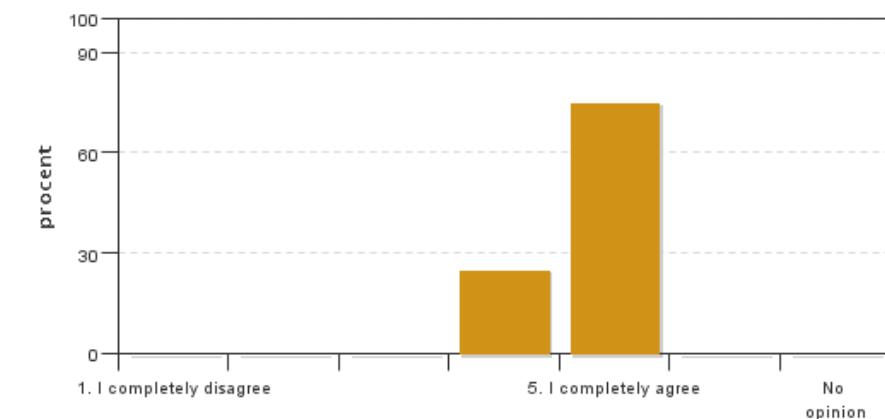
Answers: 4
 Medel: 3,0
 Median: 3
 1: 0
 2: 0
 3: 4
 4: 0
 5: 0
 No opinion: 0

15. The limnology lecture was useful and relevant to the topic of the course (Hampus Markensten)



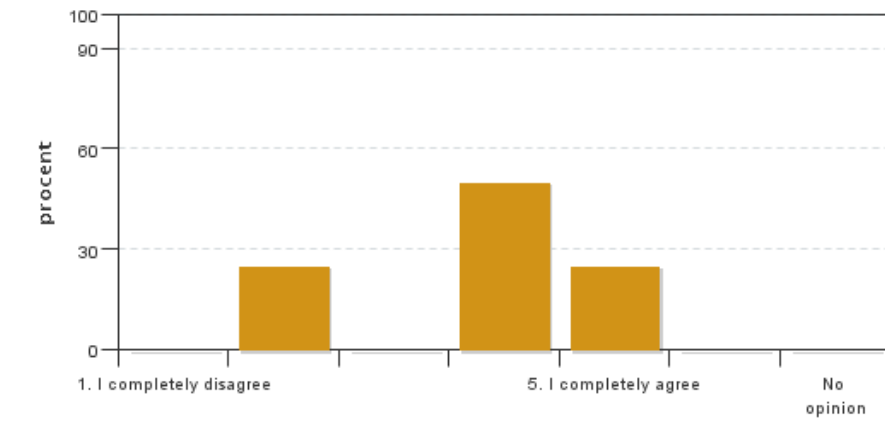
Answers: 4
 Medel: 3,5
 Median: 3.5
 1: 0
 2: 0
 3: 2
 4: 2
 5: 0
 No opinion: 0

16. The sources of P lecture was useful and relevant to the topic of the course (Faruk Djodjic).



Answers: 4
 Medel: 4,8
 Median: 5
 1: 0
 2: 0
 3: 0
 4: 1
 5: 3
 No opinion: 0

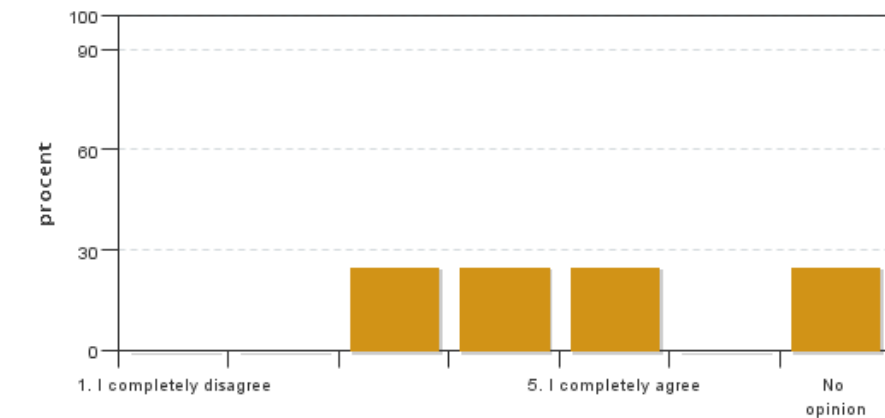
17. The sources of N lecture was useful and relevant to the topic of the course (Helena Aronsson).



Answers: 4
 Medel: 3,8
 Median: 4

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

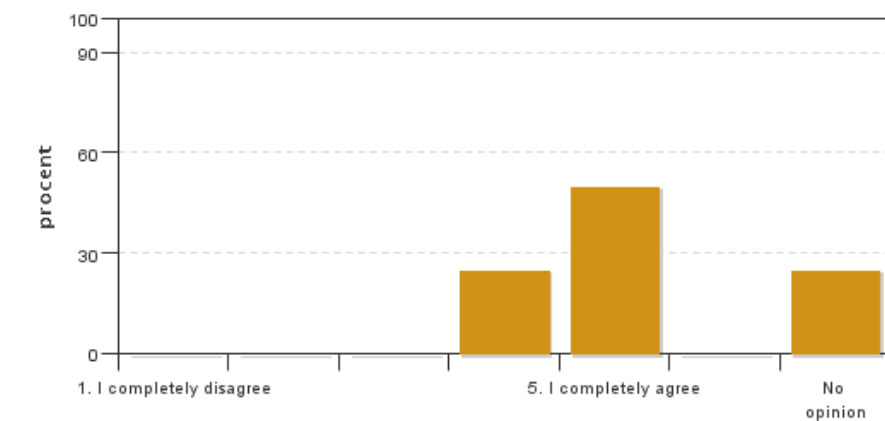
18. The Water Framework Directive lecture was useful and relevant to the topic of the course (Jens Fölster).



Answers: 4
 Medel: 4,0
 Median: 4

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

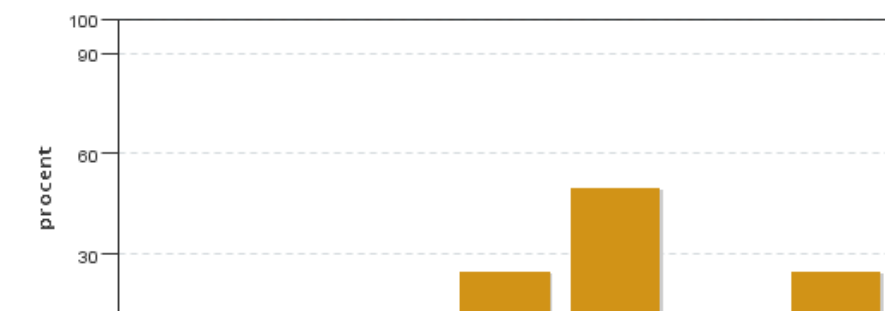
19. The Nitrates Directive lecture was useful and relevant to the topic of the course (Magdalena Bierozka).



Answers: 4
 Medel: 4,7
 Median: 5

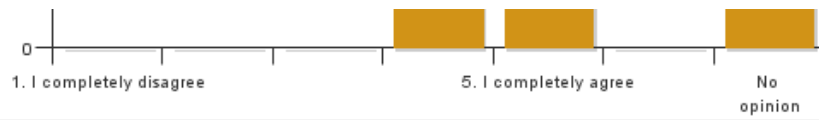
1: 0
 2: 0
 3: 0
 4: 1
 5: 2
 No opinion: 1

20. The Swedish Monitoring lecture was useful and relevant to the topic of the course (Jens Fölster and Katarina Kyllmar).

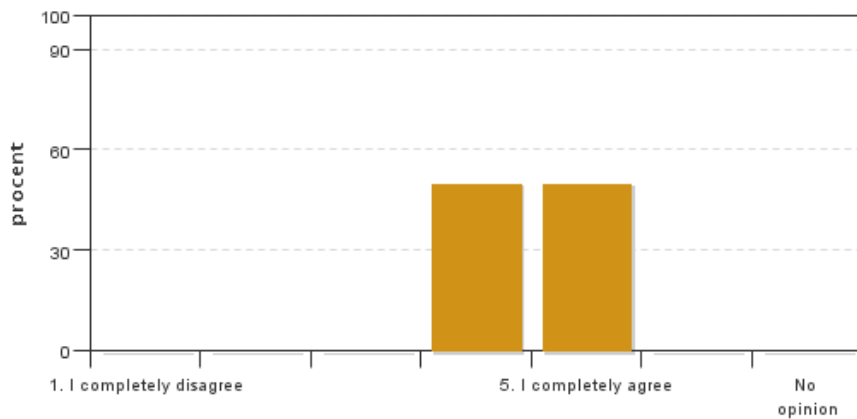


Answers: 4
 Medel: 4,7
 Median: 5

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



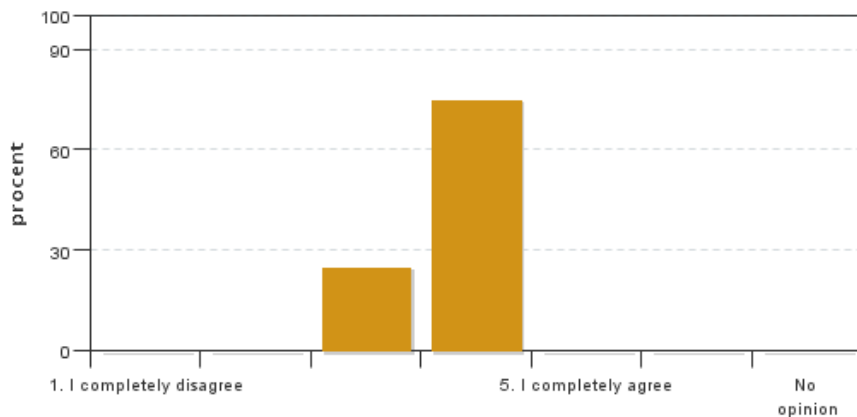
21. The sensors lecture was useful and relevant to the topic of the course (Magdalena Bierozka).



Answers: 4
Medel: 4,5
Median: 4.5

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

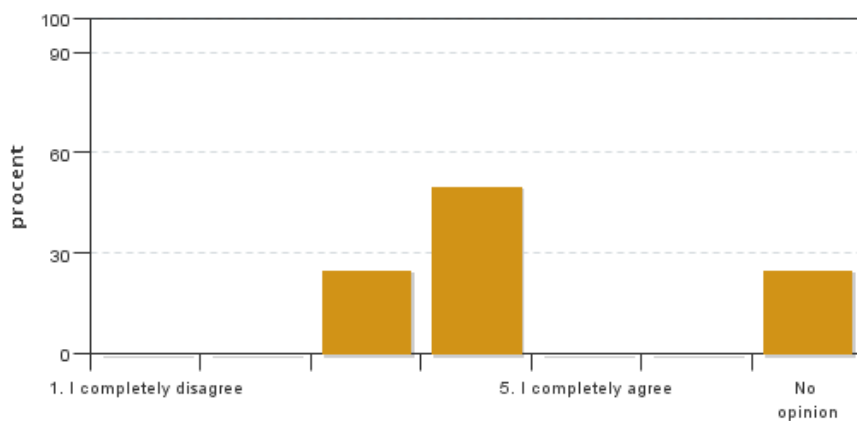
22. The modelling lecture was useful and relevant to the topic of the course (Kristina Mårtensson, Martyn Futter and Faruk Djodjic).



Answers: 4
Medel: 3,8
Median: 4

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

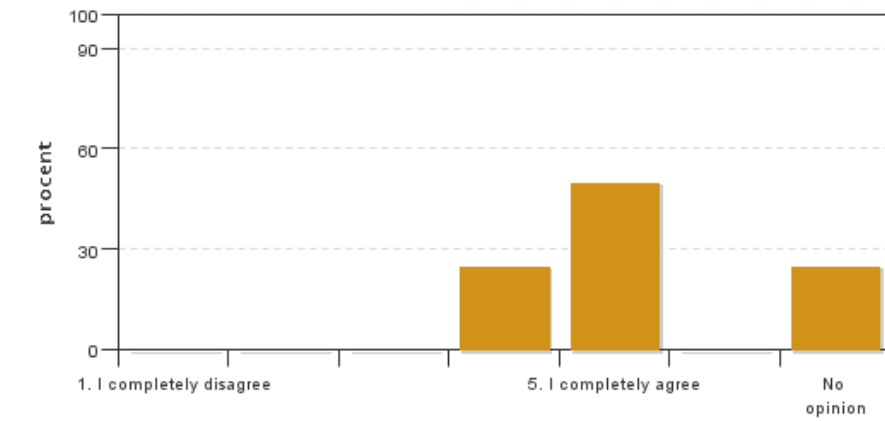
23. The ecosystem impacts lecture was useful and relevant to the topic of the course (Andreas Bryhn)..



Answers: 4
Medel: 3,7
Median: 4

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

24. The P mitigation lecture was useful and relevant to the topic of the course (Faruk Djodjic and Pia Geranmayeh).

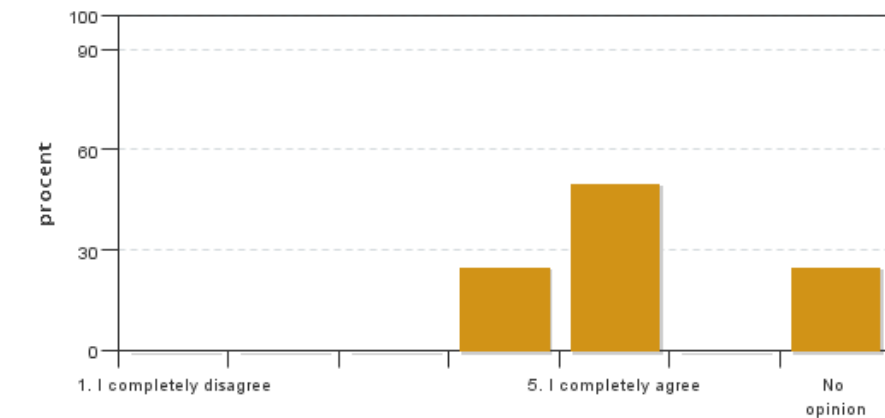


Answers: 4
 Medel: 4,7
 Median: 5

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

No opinion: 1

25. The N mitigation lecture was useful and relevant to the topic of the course (Magdalena Bieroza).

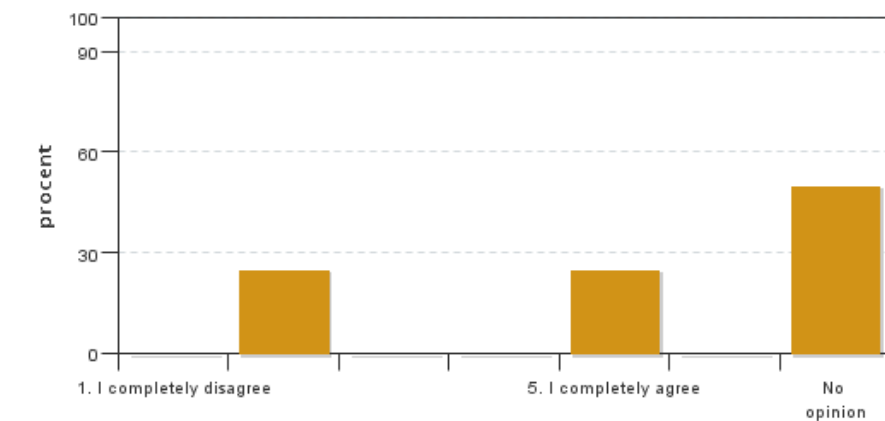


Answers: 4
 Medel: 4,7
 Median: 5

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

No opinion: 1

26. The international WQ lectures were useful and relevant to the topic of the course (Matthew Riddle, Lars Bergström and Magdalena Bieroza).

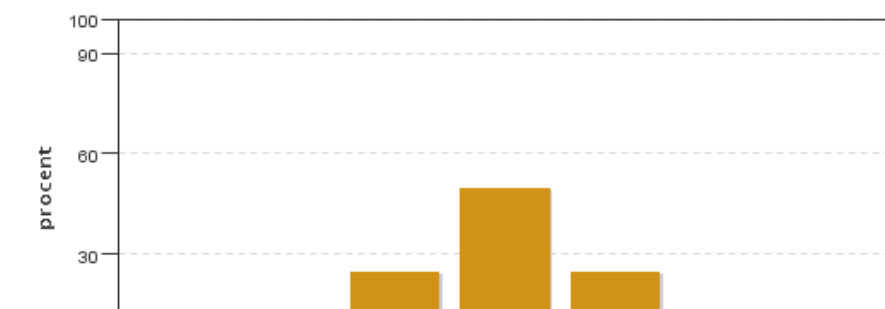


Answers: 4
 Medel: 3,5
 Median: 2

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

No opinion: 2

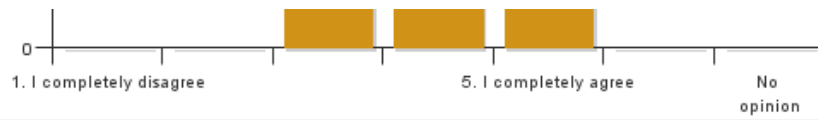
27. The urnab nutrients lecture was useful and relevant to the topic of the course (Björn Vinnerås).



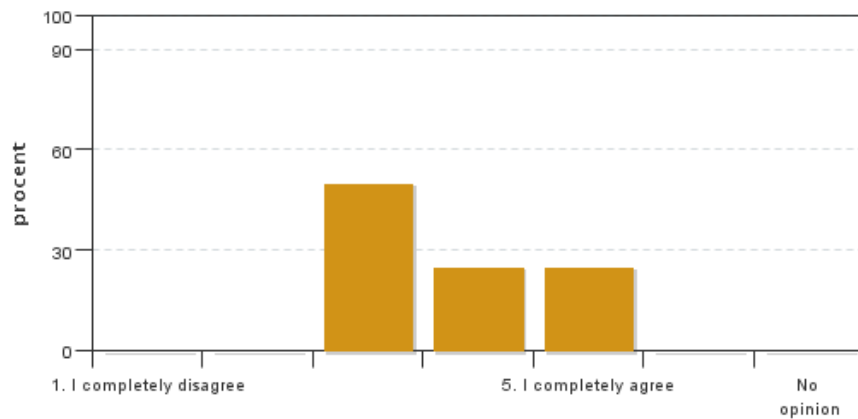
Answers: 4
 Medel: 4,0
 Median: 4

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

No opinion: 0



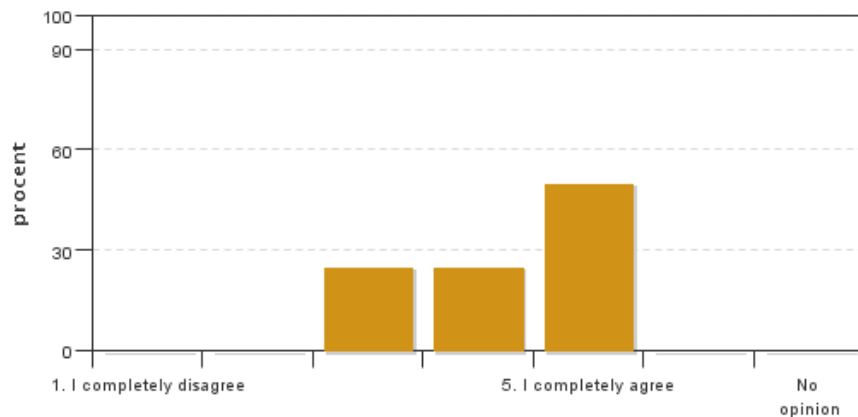
28. The nutrient recycling lecture was useful and relevant to the topic of the course (Yariv Cohen).



Answers: 4
 Medel: 3,8
 Median: 3.5

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

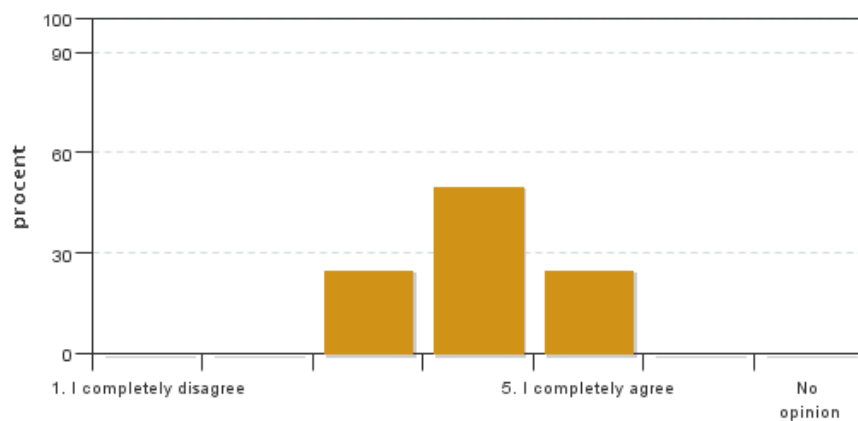
29. The trip to Baltic Sea 2020 and wetland was useful and relevant to the topic of the course (Magdalena Bieroza and Lars Bergström).



Answers: 4
 Medel: 4,3
 Median: 4.5

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

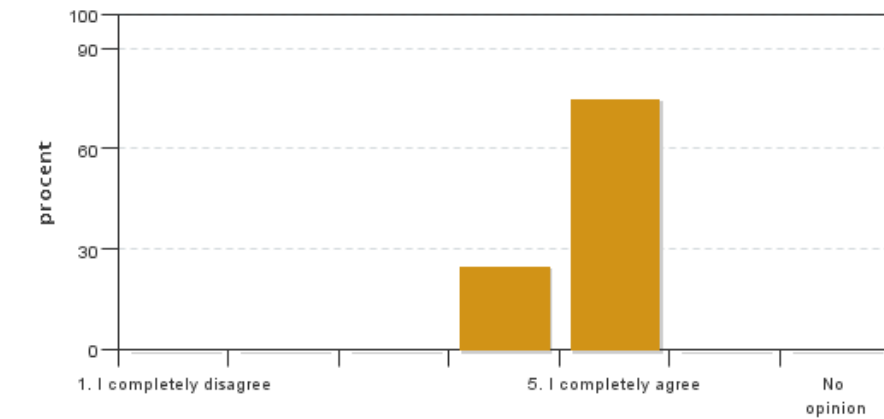
30. The trip to treatment plants was useful and relevant to the topic of the course (Uppsala Vatten).



Answers: 4
 Medel: 4,0
 Median: 4

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

31. I would recommend this course to my colleagues.

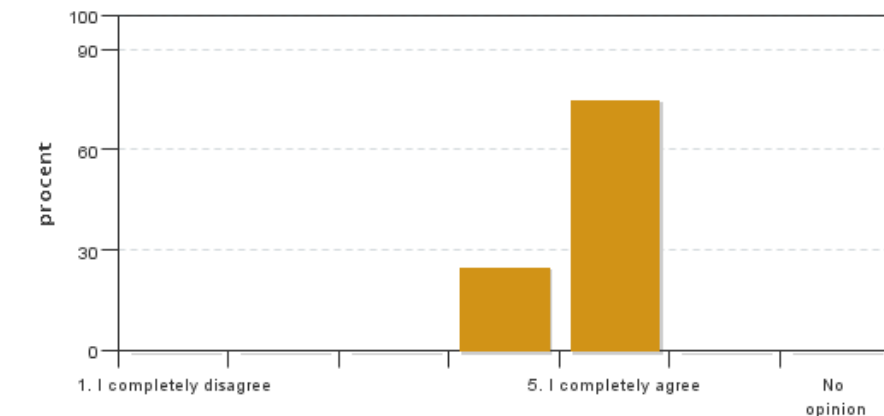


Answers: 4
 Medel: 4,8
 Median: 5

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

No opinion: 0

32. The term paper was a useful experience in writing scientific report.



Answers: 4
 Medel: 4,8
 Median: 5

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

No opinion: 0

Course leaders comments

This course has been given in the current format for the first time with a new course leader (before it was 10 ECTS credits and now it has been reduced to 7.5 ECTS). This change has been reflected not only in the number of hours of lectures but also in the content of the course. It is now much more focused on diffuse pollution with no modelling assignments. The format of the course is to give as wide perspective on the topic as possible by bringing together top researchers from SLU. This can create a feeling of an overlap, which is unavoidable but something that the course leader will try to address in the future. The aspect of bringing international perspective is very important to the course philosophy, since many of the students are international and water quality issues are very country and continent specific. Bringing examples from other Baltic Sea countries is a very good idea and will be accommodated by the course leader next time the course is given. Comments about the field trip will be more difficult to meet, as any good examples of mitigation of diffuse pollution are outside Uppsala and will always require time to get there. Overall, the course has been a positive and stimulating scientific experience for all involved.

Student representatives comments

The general impression of the course is positive, knowledge level was good and social learning environment has been inclusive. The following are suggestions of improvement and comments from the students.

- The excursion was appreciated but the distance was great, and a local alternative would be appreciated for the next year to come.
- The exam did provide opportunity to demonstrate what the students had learned during the course. It should be noticed that the questions for the exam were a lot different from the example exam, which could have been pointed out before. The following comment to the exam:
 "I liked writing the exam but the questions could have been more diverse and straight forward. When you ask for examples, say how many you are expecting to give a full score. (4)"
- The course did cover international perspective but did not receive the highest score:
 "Can develop. Especially perspective from other countries around Baltic Sea. Not Finland, because we see things in the same way, more about what's going on in Poland, Lithuania and the collaboration with Russia. (3)"
- The hydrology received some suggestions of improvement, such as correcting the PowerPoint of errors and

connecting the lecture to the rest of the course. All the students had taken hydrology on a basic level before entering the class and therefore felt that the basic parts could be removed or shortened.

- The lecture "The sources of N" had an overall positive feedback with a comment: "Good but can be more challenging (4)"
- Some lectures were overlapping but is at the same time always a problem when the course has a lot of different lecturers. Try to minimize.

Kontakta support: it-stod@slu.se - 018-67 6600