Course analysis:

The students assess the course to be relevant, of good quality and meets expectations. Regarding suggestions for improvements, there is a desire for a stronger focus on the economic effects of the ongoing climate and environmental changes and reduced focus on natural sciences , reduced amount of literature and lecture slides, more groups discussions and increased emphasis on project work. Communication via the website (canvas) can be improved. Too short a time between completion of project work and written exam.

Share of student agreeing strongly (7), close to strongly (6) or almost strongly (5)

A: Course content: 94 %

The actual content of the course corresponded well with the course information and stated learning outcomes

17 responses





B: Course quality: 100%

The quality of this course met my expectations 18 responses



C: Learning outcome: 89 %

This course has contributed to a significant increase in my knowledge of environmental and climate issues

18 responses



D: Above averge: 61%

I am more satisfied with this course than the average of other courses at the Royal Institute of Technology

18 responses



E: Quality of literature: 94%

The compulsory literature of the course was relevant to the subject studied. 18 responses



F: Quantity of literature: 50%

The amount of compulsory course literature was well balanced (not too little, not too much) 18 responses



G: Course project work: 100%

Project/Term paper is useful and facilitated my learning. 18 responses



G: Written exam: 74%

The open book exam alternative is preferable to the ordinary written exam with respect to learning outcome.

18 responses



H: Teacher quality: 83%

Hans Lööf's lectures ware useful and facilitated my learning 18 responses



H: Teacher engagement: 83%

Hans Lööf was available and responsive to the students 18 responses



H: Future students: 83%

I would recommend this course to other students 18 responses



I: General assessments and suggestions for improvements

1: Make fewer slide and make it intriguing/attracting to increase the curiosity/awareness of the topic during lecture.

2: It was very good for the discussion within the group when we had a few questions to discuss in smaller groups first - repetition in the beginning of the following lecture was helpful - as I am not coming from a environmental science background, it was good to go through the basics and effects of climate change, even though some things became more common knowledge in the past years.

3: The course was quite broad, which makes it hard to read the papers for the exam. This course could have dealt with a specific area in general.

4: Truly an enlightening and interesting course, I am very happy that I took it. The professor has been very active in answering our questions and adapting the course to everyone's interests. My main point of improvement would be to either focus on one final exam or one project/term paper. My reasoning being, there are many papers that need to be read in order to do the term paper and there are many papers to be read in order to do the exam and get a good grade. The papers needed for both of these examinations might not necessarily overlap and as a result, I did feel that there was too much to read and not enough time to read all of it. So, while I feel knowledgeable in the topic chosen for the term paper, I do not feel as knowledgeable in the other topics that might be in the exam since my focus has been primarily on the term paper. All in all though, it is a good course and it has been really fascinating to see just how much research is going into climate change and what we can do to stop it.

5: Very interesting topics covered in the course. Maybe it could have been better to emphasize some learning in economic terms (e.g. discount rate), social cost of carbon, etc. instead of going so much into detail of the climate change (which many people are aware).

6: The literature recommendations were quite useful! It could be even highlighted, that it's useful to read those.

7: Thank you very much for the course!

8: A little lesser reading.

9: As an exchange student, I would want to prepare before the class. So I think it would be nice if the lecture slides or the readings been on the file a little earlier. However, I really enjoyed the class. Thank you!

10: Some of the literature was quite extensive (energy outlook 300 pages, popp 70 pages etc.) which makes it hard to keep up with reading considering workload from other courses in parallel + own literature research for the term paper. emphasizing particular chapters in the literature that are useful would help here.

11: The literature for the first two lectures was very basic with a less scientific language which I found super helpful. Maybe there are more sources like this for more complex topics such as economy modelling etc.

12: A more hands on deep dive into modelling would be appreciated. Maybe a very simple model can be developed along the course in MATLAB or similar? Starting with simple theory like in Popp where basically just 2 equations are introduced but different scenarios could be evaluated and then adding specific modules such as energy, biodiversity etc and their influence on the model along with the respective lectures. This could be combined with a continuous examination of several assignments where the model is developed and described. I would find that in combination with the term paper more useful for the learning outcome instead of the exam in the end.

13: It was hard to evaluate the own term paper and whether it would meet grading criteria since there were none. A reflection on what makes a good paper a good paper would be useful. How much analysis is needed, in which case is this maybe not needed so much if only an overview is given etc.

14: The learning outcomes of the course could have been presented clearer in the beginning of the course and in more structured manner. Potentially, by uploading a document on canvas. Overall, the canvas page of this course was not sufficiently structured or informative. Which could be improved to next time.

15: Sometimes it was a bit hard to follow the lectures as the slides was changed too often. More informative slides, would give possibility for space of reflection and reconnection to earlier information given, at least in my view.

16: The deadline of the project paper and the exam data were too close to each other which gave little time for studying for the exam. The exam data could have been moved to a later date, especially as the period continued at least 1 1/2 week after the exam date.

17: Overall a good course with interesting content!