

Semester: Autumn 2021

Course: MAE4011 – Principles of Measurement

Number of respondents: 6 (out of 10 invitations)

Date: 2022-04-06

Summary of student viewpoints and suggestions

The evaluation was conducted anonymously via Nettskjema after the exam but before the exam results were given. The evaluation form consisted of the parts *Course topic emphasis*, *Workload*, *Assignments*, *Exam*, and *Overall*. In the following, the main viewpoints reflecting the student free-response comments are given. The full results of the evaluation (without free-response comments) are given as an appendix.

Course topic emphasis

- The final part of the course could have used more time

Workload

- Indicated workload ranged from 6 hours to 25 hours per week

Assignments

Strengths

- The feedback was helpful and detailed
- Good learning experience that connected the lecture topics to concrete exercises
- Helpful for applying the concepts of the course, enabling a more thorough learning of the concepts
- Covered the most important topics. Suitable and challenging training.
- The scope aligned well with the course content. Useful when studying for the exam.

Weaknesses

- The presentation for the last assignment was too close to the exam.
- Some content that was required for the assignment was taught too late in the course.
- The expectations for what was required in the assignments was not entirely clear from the assignment text.
- It was challenging to prepare for the presentations in terms of how much time should be devoted to them.
- The final assignment should be earlier in the course to avoid being too close to the exam.

Exam

- The time to prepare for the exam was not enough, and there was an exam for another course in close proximity.

Overall

Strengths

- The validity lectures were appreciated. Learning about the history of validity helped put validity theory into context.
- The structure of the syllabus was accurate and complete.
- The attitudes of the teachers were open and created a comfortable environment for asking questions.

Suggestions for improvement

- The labs were not so helpful for learning since there was not enough time to complete the tasks. Suggest that teachers emphasize that the students should be prepared, with packages installed and data loaded into R.
- The last assignment should have deadline earlier to avoid conflicts with the exam.
- Suggest to not have lectures two weeks before the exam and to not have another exam in the same week as the exam for this course.
- Suggest to share the course materials (lecture slides) at least two days ahead of time.
- Provide material on mathematical prerequisites for the lectures.

Comments on the implementation and outcome of the course

The course content was slightly reworked with respect to the validity part, where the emphasis was now put more heavily on the aspects of validity that most relate to the methods and procedures that are otherwise covered in the course. In practice this meant that topics such as validity with respect to content and validity with respect to response processes were not covered in as much detail as previous years and that these topics were not emphasized to a high extent in the assignments and exam. Otherwise, the course structure was kept largely the same. A difference to the previous year was the exam, which now was back to a regular examination hall exam since it was possible to conduct these again this year. The course was taught by an associate professor (responsible teacher and lectures) and two PhD candidates (some lectures, labs and teaching assistance), which was the same team that taught the course in the two prior years.

The respondents gave the course a positive evaluation overall, with everyone strongly agreeing or agreeing with the statement “I would recommend this course”. All respondents agreed that the learning outcomes were met. The instruction was generally evaluated positively. The course pace matched the students reasonably well, but a third of the respondents generally disagreed that the course pace was exactly right for them.

The clarity of information on the web and on canvas was satisfactory to the respondents. The number of hours spent on the course had a large range of 6 to 25 hours per week. This indicated that the students need to be more aware of the demands for self-study in the course.

The assignments were appreciated and the feedback given for the assignments was described as helpful in the free-response comments. Some comments suggested that there was not enough time to digest

the material of the course before the hand-in of the assignments. One commenter indicated that the assignments were not clear enough concerning what was required but the same commenter also suggested that this was clarified by the responsible teacher.

The exam received favorable evaluations. A large majority thought that the time to prepare for the exam was sufficient and that the information about the nature of the exam was clear beforehand. Some comments suggested that the assignment deadlines were within two weeks of the exam date but this was in fact not the case (deadline 26 Nov and exam 17 Dec). We strive to avoid having teaching too close to the exam, but there are always compromises needed when scheduling classes due to room availability and conflicts with other courses.

Proposed changes/comments/measures

- The changes to the validity part of the course worked well and they are suggested to be kept for the next year
- Make sure that the students are instructed to be well-prepared for the labs in terms of having the right packages installed and the data loaded into R
- Make sure that the demands of the assignments are well-aligned with the sequencing of the course
- Try to avoid having lectures too close to the exam date and ensure that students are aware of the need to plan for working concurrently in multiple courses

Björn Andersson,
Responsible teacher

Rapport fra «MAE4011 Principles of Measurement: Course Evaluation H21»

Innhentede svar pr. 6. april 2022 11:46

- Leverte svar: **6**
- Påbegynte svar: **0**
- Antall invitasjoner sendt: **10**

Uten fritekstsvar

Students are an important source of information about the effectiveness of the course and its instructors. Please, respond candidly to the following questions. You are particularly encouraged to offer constructive suggestions that may help to improve the quality both of the course and the instruction.

To what extent do you agree with the following statements?

Svar fordelt på antall

	Strongly agree	Agree	Disagree	Strongly disagree
The information provided on the UiO course page was sufficiently clear	2	4	0	0
The information provided on the CANVAS course page was sufficiently clear	2	4	0	0
The learning outcomes of the course were met	3	3	0	0
The instructor(s) explained the topics clearly	2	4	0	0
The instructor(s) demonstrated concern about whether I was learning	3	3	0	0
The instructor(s) inspired and motivated me and encouraged my interest in the course content	2	2	2	0
The speed at which the course proceeded was exactly right for me	1	3	2	0
The course improved my critical thinking skills	1	4	1	0
I would recommend this course	2	4	0	0

Svar fordelt på prosent

	Strongly agree	Agree	Disagree	Strongly disagree
The information provided on the UiO course page was sufficiently clear	33,3 %	66,7 %	0 %	0 %
The information provided on the CANVAS course page was sufficiently clear	33,3 %	66,7 %	0 %	0 %
The learning outcomes of the course were met	50 %	50 %	0 %	0 %
The instructor(s) explained the topics clearly	33,3 %	66,7 %	0 %	0 %
The instructor(s) demonstrated concern about whether I was learning	50 %	50 %	0 %	0 %
The instructor(s) inspired and motivated me and encouraged my interest in the course content	33,3 %	33,3 %	33,3 %	0 %
The speed at which the course proceeded was exactly right for me	16,7 %	50 %	33,3 %	0 %
The course improved my critical thinking skills	16,7 %	66,7 %	16,7 %	0 %
I would recommend this course	33,3 %	66,7 %	0 %	0 %

Course Topics Emphasis

Work Load

Assignments

Please comment on strength and weaknesses of the assignments (e.g., difficulty, length, frequency, effectiveness)

EXAM

Svar fordelt på antall

	Strongly agree	Agree	Disagree	Strongly disagree
There was sufficient time to prepare before the scheduled exam	2	3	0	1
There was sufficient a priori information given on the nature of the exam	4	2	0	0

The time to complete the exam was sufficient	5	1	0	0
The exam questions did not come as a surprise to me	3	3	0	0
The exam adequately covered the whole span of the course contents	4	2	0	0
The exam questions were clearly formulated	5	1	0	0
I feel I have a pretty good idea about how I will score on the exam	3	3	0	0

Svar fordelt på prosent

	Strongly agree	Agree	Disagree	Strongly disagree
There was sufficient time to prepare before the scheduled exam	33,3 %	50 %	0 %	16,7 %
There was sufficient a priori information given on the nature of the exam	66,7 %	33,3 %	0 %	0 %
The time to complete the exam was sufficient	83,3 %	16,7 %	0 %	0 %
The exam questions did not come as a surprise to me	50 %	50 %	0 %	0 %
The exam adequately covered the whole span of the course contents	66,7 %	33,3 %	0 %	0 %
The exam questions were clearly formulated	83,3 %	16,7 %	0 %	0 %
I feel I have a pretty good idea about how I will score on the exam	50 %	50 %	0 %	0 %

OVERALL

Thank you for participating!

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