

**Final Report**  
**KJM5240/9240 – MASS SPECTROMETRY – V2023**  
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**CHANGES**

Only very small changes were implemented as compared to the course taught in previous years.

**ATTENDANCE**

10-12 students typically attended the course in the auditorium. Several students only followed the podcasts and did not attend the lectures in person.

**ORAL EXAMINATION**

The KJM5240 examination list included 20 candidates. Grade distribution: A(2), B(3), C(6), D(4), E(2), F(1). 2 students did not attend the exam. The KJM9240 examination list included one candidate who passed the exam.

**PODCASTING**

All lectures were recorded and made available as podcasts on the course webpage. Upon request from the students, even the exercises were recorded and made available on the course webpage. This was implemented later in the semester.

**LEARNING MATERIALS**

The lecture slides (349 pages; pdf) and the repetitions and exercises slides (252 pages; pdf) were made available on Canvas. Instructional videos and podcasts were made available on the course webpage. For those who wanted an extra textbook, I recommended *Mass Spectrometry for the Novice*, J. Greaves, J. Roboz; CRC Press; ISBN 9781420094183. It was not mandatory to use/acquire this book.

**FEEDBACK**

Students were given the opportunity to give anonymous feedback on Canvas. Five students provide a feedback. The responses are summarized on the next pages. The course received a very positive feedback (see next page).

## ANONYMOUS COURSE FEEDBACK ON CANVAS

### What did you like about the course?

1	That we do exercises after every topic in the course. And that the lectures and exercises are recorded.
2	good review of mass spectrometry. differences and similarities, and about different MS methods at different areas. Held as simple as possible.
3	I really enjoy the format that we have lectures and then next lecture we go through the learning checks and exercises. That way I feel like we learn throughout the whole course instead of just reading and understanding during exam period.  The whole last part with just going through the more complex problems was also very fun and it was nice to learn about all the different tools that we might use in the future.  I also think your ability to convey the curriculum is very good. It is easy to follow your explanations.  Overall my favorite subject this semester.
4	Excellent presentation and Excellent teaching style. Very interactive and engaging tutorials. Very clear communication and repetition of unclear concepts. Great teacher.
5	* The information obtained about the instrument and its practical usage * the revision/ colloquial sessions * active discussion/ interaction with the instructor

### What did you not like about the course?

1	Was nothing i didn't like, but I would've preferred that all the exercises were recorded.
2	
3	I think you should ask early on if everyone is okay with recording the exersises also. I have many times went back to listen to the recordings from both lecture and exersises. Especially since there is no official books in the curriculum. The only negative I have to say about the course is that I can't go back to the first exersises and look at recordings.
4	Excellent. There is nothing I did not like.
5	* place where the course is instructed. auditorium 3 feels exceptionally cold.

### What could be improved?

1	Start recording the exercises from the start.
2	
3	Perhaps to make people less afraid of answering questions, make people discuss in groups or something. I thought it was okay that you asked and after a while if no one wanted to answer you just went through it, but if you want people more active that might be a way to warm up those afraid to speak up in a big group.
4	Sometimes the Videos do not work or not available on Canvas.
5	* practical workshop, where students can come in contact with some old non-working instruments and can dismantle them. So as to have a sense of the size and complexity of the instrument.