

Avancerad materialanalys, 5.0 hp

Kurskod: 1TE074, Anmälningskod: 14029, 33%, DAG, NML  
vecka: 36 - 43 Termin: HT 2020 (2020-08-31 - 2020-10-25)

## Direktlänk till kursvärderingen för studenter:

<https://studentportalen.uu.se/portal/portal/uusp/student/evaluation?uusp.portalpage=true&toolAttachmentId=728116&toolId=1>

## Kursrapport

## *Example of content in a course report*

Semester: Autumn 2020

## Course: Avancerad Materialanalys

Registered students: 9

Answering frequency: 4/9 (44%)

Date: yyyy-mm-dd

## Examination results

Number of students examined: 7

Fail: 0 (%)

Pass: 7 (%)

Pass with Distinction: 3 (%)

#### Brief summary of student viewpoints and suggestions

(based on both quantitative results and key viewpoints from students' free-text answers)

## **"Strengths" according to students**

- Andreas held lecture in classroom, mycket uppskattat
  - Video recording was well done and is very valuable, One student liked especially Videos of XPS lectures
  - Spectroscopy part (Except NEXAFS, EXAFS)
  - Teachers very friendly when hand-ins did not work
  - Teachers were regularly asking for video recording
  - Klaus and Andreas have very good knowledge.
  - Course content is good.
  - Teachers often asked questions and answered well during lecture to keep us focussed and interested in the topics
  - Lectures were good, maybe some slides could have been more pedagogical.

### **"Weaknesses" according to students**

- Short 2-4 page summary of course would be needed with info about assignments, labs, course literature, exam.
  - Keep timeedit updated. Studium was confusing , except for last 2 course weeks.

- All TEMs broke down at course start. Bad situation, but was managed well.
- In Lab course teaching through zoom I did not learn so much. In other courses the lab was given on site.
- Maybe an extra course on XPS.
- Seminars were too much work, too much stress. It should have been clearer said that assignments do not need to be 100% right.
- Assignment questions had to be clarified and corrected by Klaus. Assistants could not help with assignment questions. Assignments took too much time.
- Assignments: Hand-in was shifted to later date.
- Project assignment in XPS, deadline unclear.
- Oral Exam date was shifted twice. The exercise exam not well structured
- I think I did not learn so much more in the course than what I knew already. I would have liked to apply TEM and XPS more practically.

## Comments from course director/teachers on the implementation and outcome of the course

- *Timeedit: We told students several times in the beginning of the course that the dates that count for the course are in Studium. No student gave a comment on this. We understand NOW that the students looked mainly at timeedit for their course dates. We will next year keep timeedit and studium synchronised.*

- *Course summary: we happily will do this next time. We believe we had good instructions to all course elements in the different modules (lectures, labs, assignment, seminar, exam), but we can summarise the information in one document.*

- *Course should be more practical, also hands on, more like problem solving on selected problems: The course structure had been, in fact very close to this structure. But with the complex TEM instrument and techniques, we found it very difficult, to bring a significant learning to the students. We have also observed that the learning curve of the students has strongly increased, when we introduced assignments as compared to only laboratory reports.*

- *Lab course should have been in lab, not zoom: Since the COVID19 pandemic in Uppsala strongly increased since September, we believe that the decision, to hold the lab courses on zoom, was right.*

- *Work load, especially of seminars was too high: we will shift part of the assignment learning to the classroom teaching so that students do not have to work so much for the assignments.*

- *Shift of assignment dates to later date: This was on the wish of some students.*

- *Some assignment questions were not clearly*

## Proposed changes/comments/measures

- Comments:
- Comments:

***Names of those who wrote the course report, ie course director/another appointed person at the Department***