Kursrapport

	Utfall av examination
Termin: VT/2020 Program: Kemiteknik Kurs: 1KB266 Antal registrerade studenter: 26 Svarsfrekvens: (%) 8/26 Datum: 2020-09-16	**Utfall av examination** Antal examinerade: 19 Betyg U/inte klara ännu:26(%) Betyg 3: 15 (%) Betyg 4: 15 (%) Betyg 5: 27 (%)

Kortfattad sammanfattning av studenternas synpunkter och förslag

Det som svarar verkar har varit mycket nöjda med kursen men det är ju inte omöjligt att de är just därför som de har velat ge feedback.

"Starka sidor" enligt studenterna.

- Kursen bidrog till förstålese i ämnet
- Lärarnas engagemang var mcket bra
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"Svaga sidor" enligt studenterna

- Dåligt med feedback
- Kursen tycktes inte relevant för framtida arbetsliv
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Kursansvarigas och lärares kommentarer till kursens genomförande och resultat, inklusive:

Under rådande omständigheter med corona så fortlöpte kursen förvånansvärt bra. Jag upplevde dock att samspelet med studenterna blev något rumphugget och det kändes emellanåt "som att tala till en vägg".

Labblärarnas kommentarer:

I participated as a TA in a computer lab session for the "Materials Modeling" course. Since the distance teaching format was pretty new back when the lab was held, it was a somewhat challenging task. The students we divided into breakout rooms, and they worked together in smaller groups to complete the tasks that they were assigned to. They asked for the teacher's help when necessary. This format proved to be successful though, since the students managed to complete the tasks and the communication between the lab teachers and the students had a relatively undisturbed flow, regardless of the different "format" of the lab. The lab reports we

received from the students did not seem to be lacking in quality compared to our older experiences, which was very good.

In relation to the content of the labs in general, there is room for improvement. Since I am also the TA for a course in the many of the students have taken previously (Physics and Chemistry of surfaces), I encounter some of the same students in this course beforehand. Therefore, I would suggest some revision of the lab materials and some restructuring, that would best build upon the stuff that was already brushed upon in that course. I would also like to state the fact that in the "Physics and chemistry of surfaces" course the students are taught to work in Jupyter notebook environment, and for all modeling and calculations, Python code was used. Currently, the lab tasks for Materials Modelling are performed on Uppmax machines and the interaction with the software that is used for modelling is through the use of a terminal on Linux machines that the students get access to through Thinlink. Since most students don't have any prior experience with working on Linux systems, I would strongly suggest switching to the Python/Jupyter notebook environment that is already familiar to many of these students, both for reasons of consistency, as well as due to the fact that this will be less of a burden for the students to adapt to, because performing the tasks in this environment would very likely be more intuitive for them. This will shift the lab's focus away from dealing with Linux terminal commands and getting used to an entirely different operating system, back to materials modeling and the chemistry which they should write a report on.

Förslag till förändringar/kommentar/åtgärder

Laborationen kan nog förbättras och bli mer modern genom att basera den på python. Jag ser också gärna att några av momenten kunde avhandlas genom mer "hands-on" project med lite mindre föreläsningar.

Jolla Kullgren