

MOL310 Strukturell molekylærbiologi

Emnerapport vår 2017

Praktisk gjennomføring

Undervisning: Orienteringsmøte: 1 time

Forelesninger: 11 x 2 timer

Kollokviégrupper: (4 x 2 timer) x 2 grupper

Spørretime: 1 x 2 timer

Undervisere: Øyvind Halskau (emneansvarlig), Lars Sverkeli (undervisningsassistent)

Strykprosent og frafall

Kandidater	Totalt
Oppmeldt	17
Møtt	13
Bestått	13
Stryk	0
Strykprosent	0
Studiepoengproduksjon	130

Karakterfordeling

A	B	C	D	E	F	Gjennomsnittskarakter
0	5	5	3	0	0	C

Studieinformasjon og litteratur

Studieinformasjonen ble lagt ut på Mitt UiB. Læreboka var tilgjengelig på Akademika.

Oppsummering av studentevalueringen

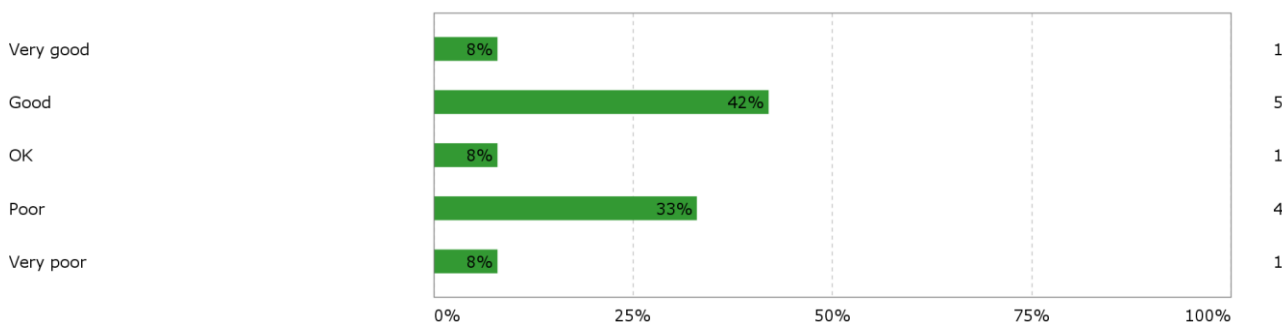
Spørreundersøkelsen ble sendt ut til 19 studenter og 12 (63 %) svarte. 67 % av respondentene er studenter på masterprogrammet i molekylærbiologi.

Forventninger, arbeidsmengde og egeninnsats

67 % av respondenter mener emnet svarer til kursbeskrivelsen som ligger på internett (www.uib.no/course/mol310), mens resten mener at den gjør det til en viss grad. Alle mener at arbeidsmengden svarer til antall studiepoeng (10 studiepoeng).

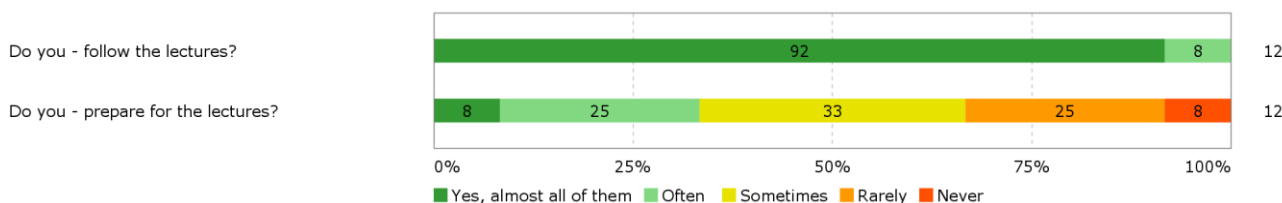
I motsetning til tidligere, var det nå flere respondenter som fant det utfordrerne å ta dette emnet sammen med andre emner våsemesteret 2017. Årsaker som blir nevnt som grunn for dette er endring av forelesningstidspunkt underveis i semesteret gjorde det vanskelig å stille til enkelte forelesninger, samt at MOL320/ MOL310 «emne-pakken» ikke fungerte optimalt gjennom semesteret.

How did it work out taking the course together with other subjects this semester?



Halvparten av masterstudentene på molekylærbiologi svarte at det fungerte dårlig eller veldig dårlig å ta MOL310 emnet sammen med andre emne dette semesteret.

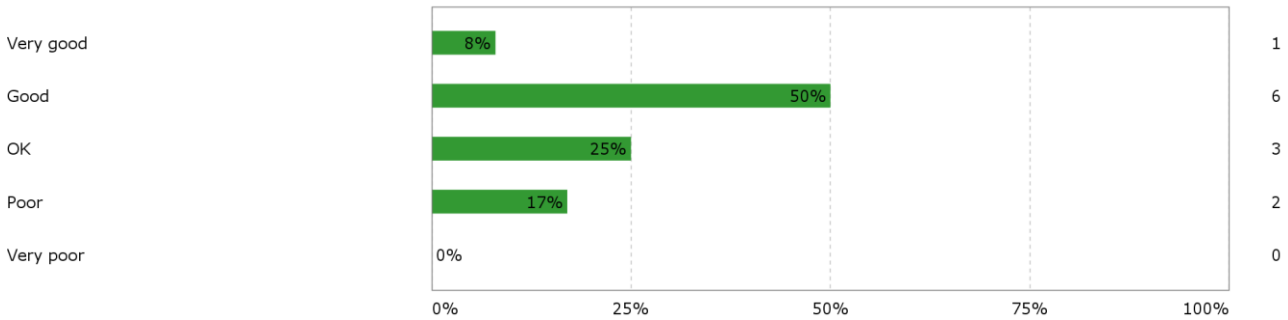
Som figuren under viser så følger alle i stor grad forelesningene. Selv om ikke alle forbereder seg til forelesningene så ser vi en forbedring fra året før, i år svarer 33 % av respondentene at de ofte eller alltid følger forelesningene mot 18 % i fjor.



På spørsmål om de selv synes de lærte mer når de var forberedt, sammenlignet med når de ikke var forberedt svarte 80 % «ja», og 20 % «vet ikke».

Pensumlitteratur

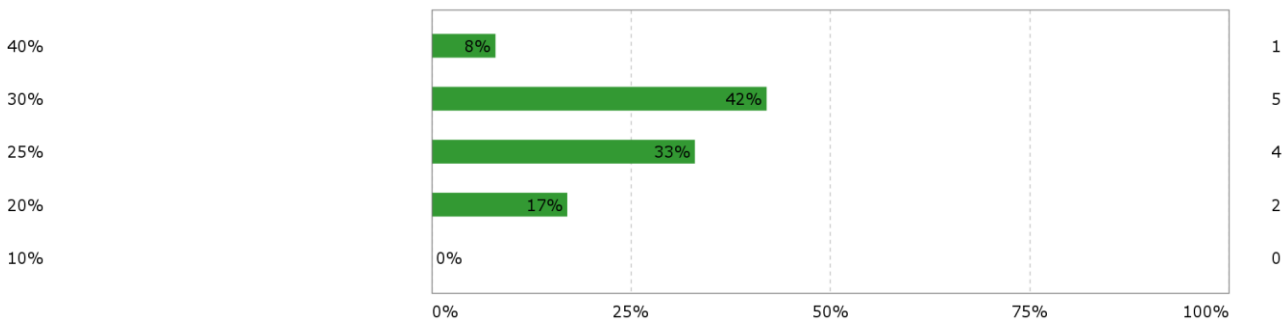
På spørsmål om hva de synes om boka «Proteins: Structure and function» så er ikke lenger respondentene så fornøyd som tidligere, selv om de aller fleste synes boken er OK, god eller veldig god. Kommentarer til boken går i hovedsak ut på at den er litt for «enkel» for et 300-emne, og ikke dekker pensum godt nok. Noen påpeker også at boken begynner å bli gammel og har etter hvert noen fakta-feil grunnet ny viten.



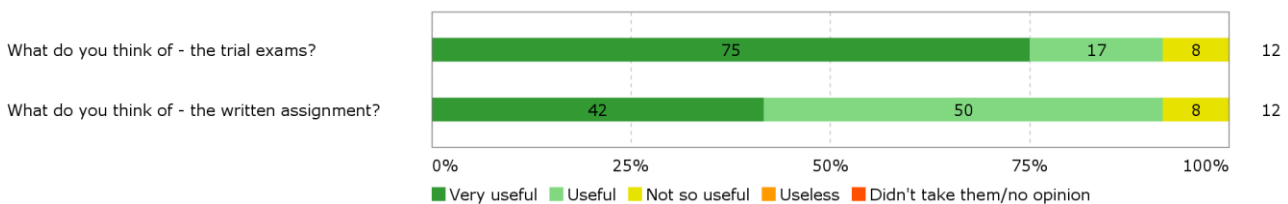
Undervisning

Alle synes strukturen i forelesningene er god eller OK, og alle er veldig godt fornøyd eller fornøyd med kontakten med foreleser.

Emnet har en skriftlig oppgave som teller 25 % av endelig karakter. Som figuren under viser er det noe uenighet blant respondentene om hvor mye denne oppgaven bør telle på endelig karakter.

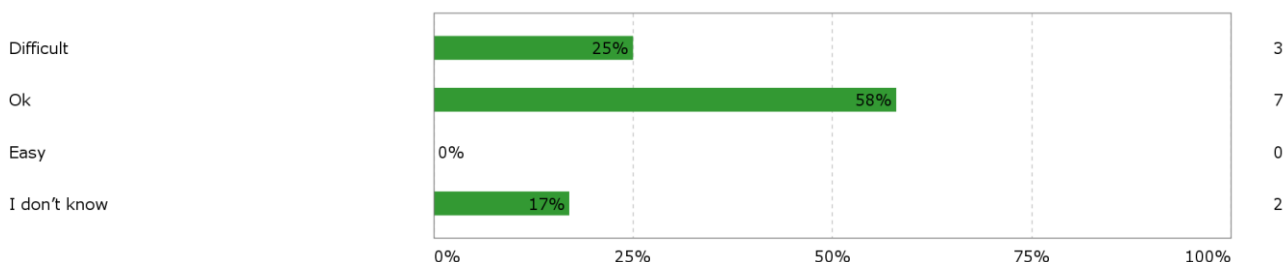


Respondentene er også godt fornøyd med prøveeksamenen og den skriftlige oppgaven som figuren under viser.

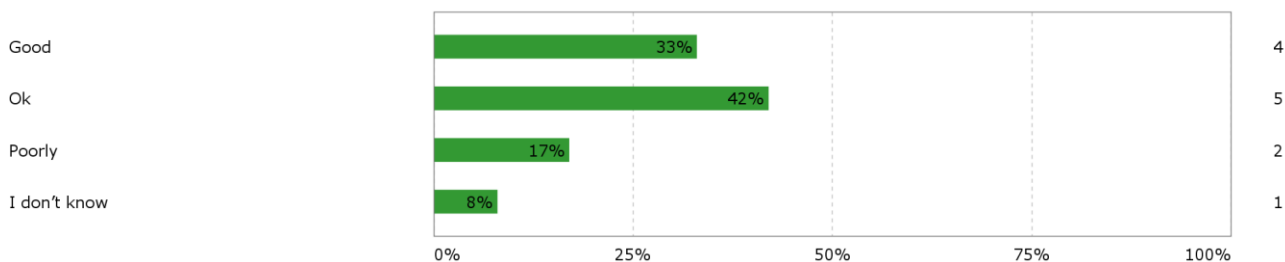


Eksamen

På spørsmål om hvordan studentene opplevde den endelige eksamenen, svarer 58 % at den var OK og 25 % at den var vanskelig, mens året før var det bare 9% av respondentene som opplevde eksamen som vanskelig.

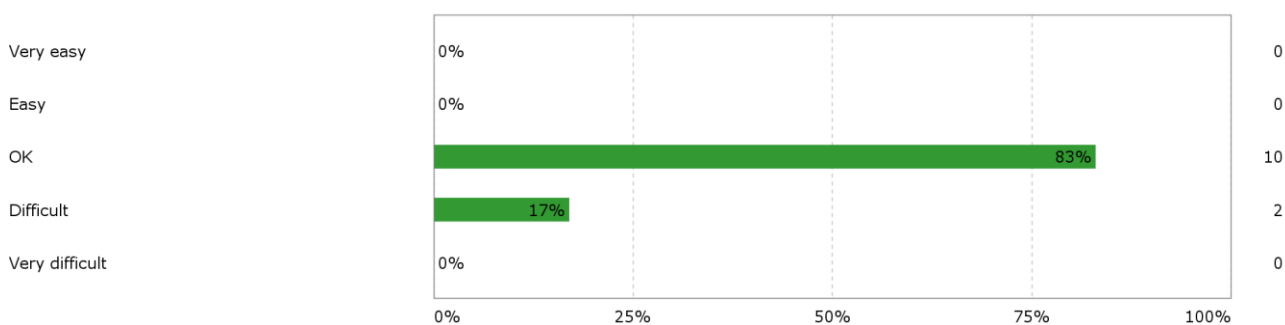


På spørsmål om tid til disposisjon under den digitale eksamen svarer 92 % at det var passelig med tid, mens 8 % ikke har en formening. Når det gjelder de tekniske løsningene under avviklingen av den digitale eksamen så fordeler respondentene seg slik som figuren under viser, i motsetning til i fjor da alle mente det fungerte bra.



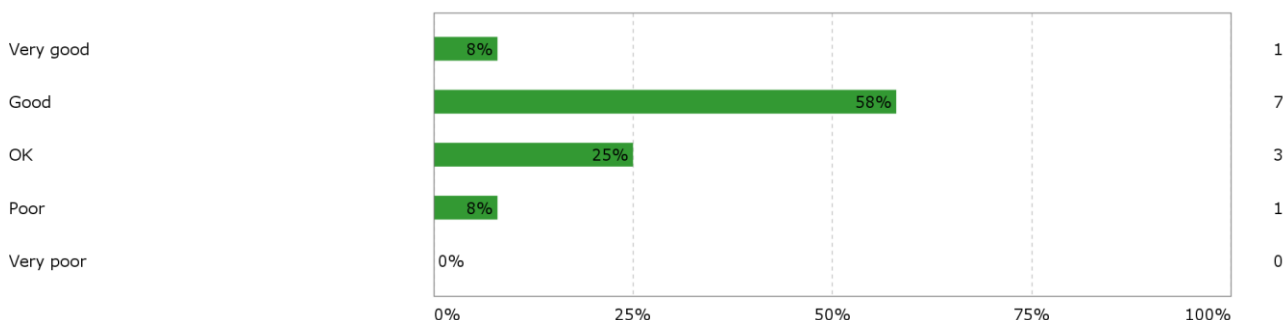
Generelt om emnet

På spørsmål om hvor vanskelig de synes emnet var svarte 83 % at det var «ok».



Helhetlig vurdering av emnet

I år er det 8 % som finner emnet veldig bra i motsetning til 55 % året før. Men emnet er fremdeles godt likt av studentene.



Kommentarer gitt til emnet

- The English writing of the course description on uib.no needs to be updated. It is riddled with mistakes. Get some help if need be from an English speaker.
We, most of the students, found it a bit tricky to figure out what the actual syllabus for the course was. The colloquium tasks were completely different from what was taught in the lectures, which again differed from the book. It worked out in the end, but its a bit confusing.
Øyvind is a fantastic lecturer and person, but planning for this particular semester could have been better.
The exam was very well structured, and well done for using so many different features in the inspera format.
The exam was harder than I had anticipated, but I did my best!*
- The problem with the exam wasn't that it was difficult, but that it was not possible to show how much one knows. Some of the multiple choice questions were unclear and confusing, even when one knew the topic very well.
I would have liked the course to cover the usage of bioinformatic tools to analyse protein structure.*
- Maybe more about diseases which are related to the folding of the protein or other things, which went wrong.*
- I think the lectures were a bit unspecific, and I didn't feel like I understood what expectations the prof. had regarding the exam from the lectures alone. The colloquiums gave more sense in terms of exam relevance, but had little to do with the topics reviewed in class or the syllabus. The lack of consistency throughout the course made many of us uncertain of what to expect from an exam. We were also told that the assignment would help us prepare for the exam. Roughly, I'd say it didn't. It merely reminded me of the challenges of group work and the stress that comes with a pressing deadline.*

When it was clear that those of us who had Mol320 wouldn't be able to study until 2-3 days in advance, the prof. conveyed that this would be considered in the exam. I got no impression that it was.

Still, the prof. seems to understand the importance of exam revision and let us have previous exams and answer keys to study, which was super. He also uses some unconventional lecture methods, like class discussion and trial exams. This way of teaching is very stimulating, and I hope it's kept up! Also, he includes jokes and references in lectures and exams, which makes everything more bearable. I wish more prof.s included this kind of personal humor in their lectures.

Summarizing: I believe this was a challenging semester for both the master students and the professors. The institute is going through changes, and I imagine that not getting substitute lecturers when entering into paternity leave is not the easiest situation to navigate. I still think there is room for improvement: find a syllabus that coincides with the lectures and colloquiums; be more specific in lectures (if it's expected that the students are specific in their exam answers); if not syllabus, give us a better tool box than google to answer colloquium questions. Otherwise, rock on!

- *We only got the word-limitation, figure-limitations and the other guidelines for the written assignment two days before it was due. Then we were already finished with it, and had to start editing and remove stuff. Would me good to have the guidelines from the start.*
- *Did not feel that the curriculum was clearly defined, due to the lectures and the book not corresponding to the level expected of the students. Colloquia sets helped a little, but were frustrating to work with due to not having the necessary material and having to spend a lot of time searching for usable sources. Exam preparation was difficult, not knowing exactly what to prepare for. Had to make assumptions regarding what was included in the curriculum and not, and several of the exam questions were on the side of what I had expected to be important parts of the course. Overall a good and interesting course, but needs a new book, if necessary supplemented with relevant handouts, to help define what the curriculum really is and make it possible for students to know what to study.*
- *I did lack some of the basics chemistry needed to follow the course. I did also spend too much time on the written assignment and I think we should have gotten some more information ahead about how many pages and figures. It was difficult to follow the course, and I missed two of the colloquiums. But this had more to do with the my total work load. Still, I enjoyed the lectures, but I have to prepare and study more before taking the exam.*
- *Kunne ha vært mer fokus på problemløsning og eksamensrelaterte oppgaver også i løpet av forelesingene. Tidspunkt for de tre første kollokviene krasjet med et annet fag, så uten disse ble det vanskelig å løse slike oppgaver selv.*
- *I believe that the course would benefit of more trial exams (that could count as part of the final grade) and 1-2 more lectures on the different techniques used in structural molecular biology (X-ray diffraction, NMR etc)*
- *Colloquium and previous exam should be uploaded further ahead.*