

MOL210 Lipid biochemistry: from chemistry to diseases

Autumn 2020, Evaluation report

Valgemne

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Course content

This course was developed by AEL with the help of ØH and started in 2012 (autumn semester). It has run every year except in 2016 when AEL was on sabbatical.

The course consists of:

- 12 lectures and 1 question time (spørretime) 5 tutorials, each lasting 2x 45 min and all of them not mandatory.
- 1 obligatory semester exercise but not graded, consisting of two parts: a presentation of about 15 min on a given research article on lipid biology and function, and a summary of the same article according to a set of questions (*see template highlighted in grey page 2*). The summary was evaluated and deemed approved or not. If not, feedback was given with specific changes to be made for further approval prior to the written exam.
- 1 written exam (4 h)
- Quiz provided on mitt uib (not obligatory) on most of the lectures

Textbooks: 2 are needed covering all aspects of the course : Membrane structural biology 2nd edition, Lipids, Biochemistry Biotechnology and Health 6th edition.

Special conditions for 2020 due to the COVID-19 pandemic: the first lecture (part1) on course info was held live on zoom. 34 students registered to the course, which exceeded the planned auditorium. Due to the number of COVID + cases amongst UIB students at the beginning of the semester, I decided to pre-record the lectures.

We were still able to hold 1 tutorial in person (including 2 presentations from 2 groups of students + Q/A with APM), the remaining were live on zoom. ØH was on leave and covered 2/4.5 of his lectures. AEL took his remaining lectures this year.

Course attendance

A majority of bachelor and master students attend from our Mol BIO programs, and a few students from other programs (pharmacy, nano, biomed) as well as international students.

Examination grades 2018-2020

2020: 15 students took the exam:

year	# students	A	B	C	D	E	F (strykk %)	Average
2012	14	3	8	1	2	0	0 (0%)	B
2013	9	3	3	1	2	0	0 (0%)	B
2014	14	3	5	2	2	1	0 (0%)	B
2015	15	1	0	6	5	2	1 (7%)	D
2017	15	0	6	5	2	2	0 (0%)	C
2018	12	2	5	1	3	1	0 (0%)	B/C
2019	10	2	1	3	1	2	1 (10%)	C
2020	15	1	4	6	1	2	1 (7%)	C

Previous results and comments from course responsible

Since the course has started, the number of students taking the course/exam has been relatively stable, on average 13. The average grade has varied over the years and decreased to C.

Comments from the course responsible

Overall the course was assessed positively by the students for 2020 despite of the lack of in person interactions. This course complements well other courses both in our molecular biology bachelor and master programs. Lipid biochemistry is a strong area of research in our faggroup as well as in others at BIO and at SARS. It also attracts students from other programs (pharma, chemistry, havforskning).

Response to student's comments (2020)

Less than half of the students have answered the survey. It is a little difficult to get an overall picture.

- Many comments relate to the lack of lectures in person. Having the lectures live on zoom would certainly be better. But at the moment IT does not provide extra storage for zoom recording, which are enormous.
- A student comments on the expectation of more disease cases. There are many links relating lipids to diseases that are provided in the lectures. In addition, current aspects of lipid alteration in diseases are covered by articles presented by students but these are poorly attended. But this can certainly be emphasised further.

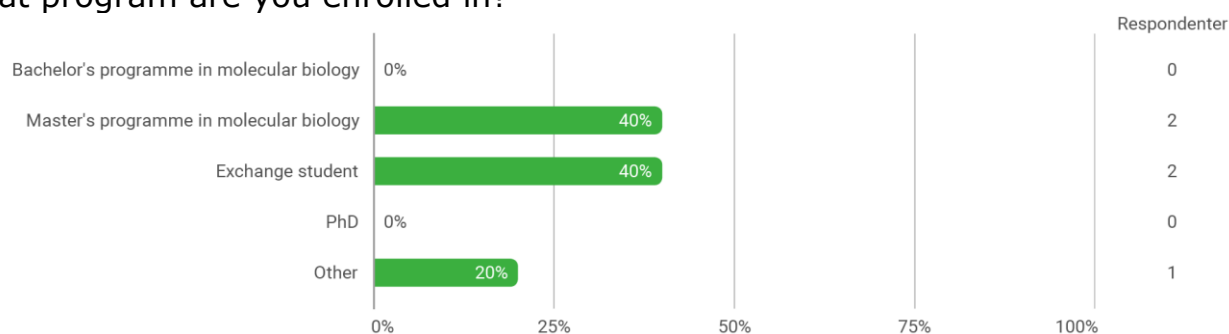
Overall comments and plans for changes:

New in 2020: This year I have created a few more **quizzes** which cover key aspects of some of the lectures. I will continue to provide them. The course was structured using **modules** in mitt uib with weekly summary.

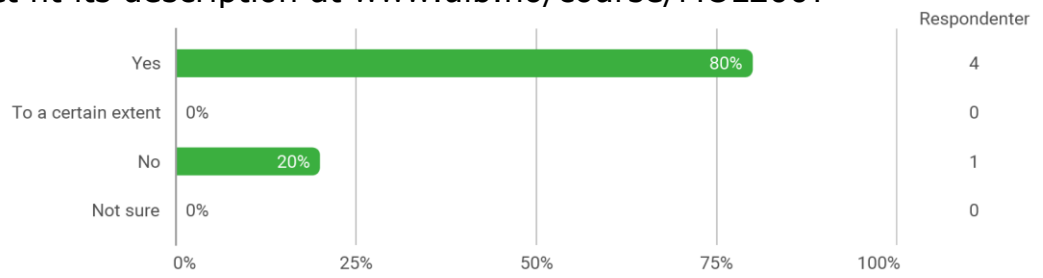
The presentations are often not well attended by other students. This is a pity as the purpose of the presentations is to demonstrate how relevant the lectures are in the form of recent research in the field. I would like to find a way to encourage better attendance with group work during the tutorials. This remains to be organised. Tips would be welcome. I will look into more disease cases to be covered during the lecture.

Student assessment MOL210 Autumn 2020

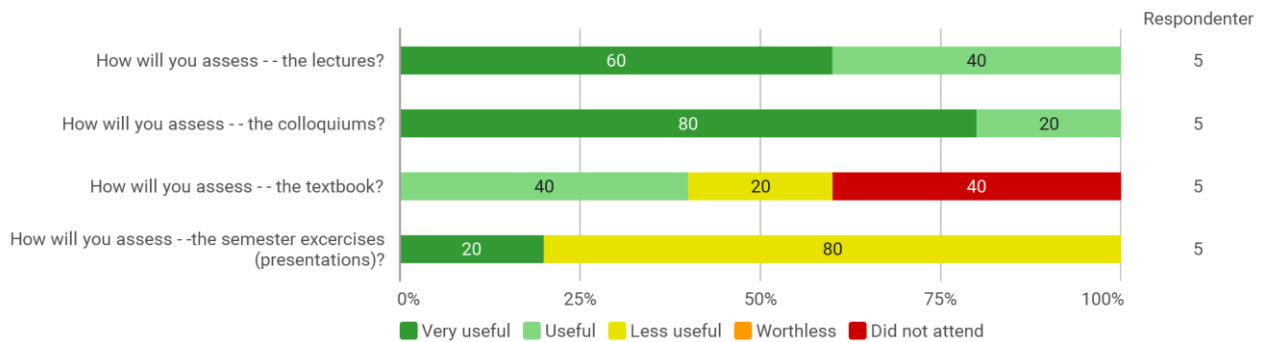
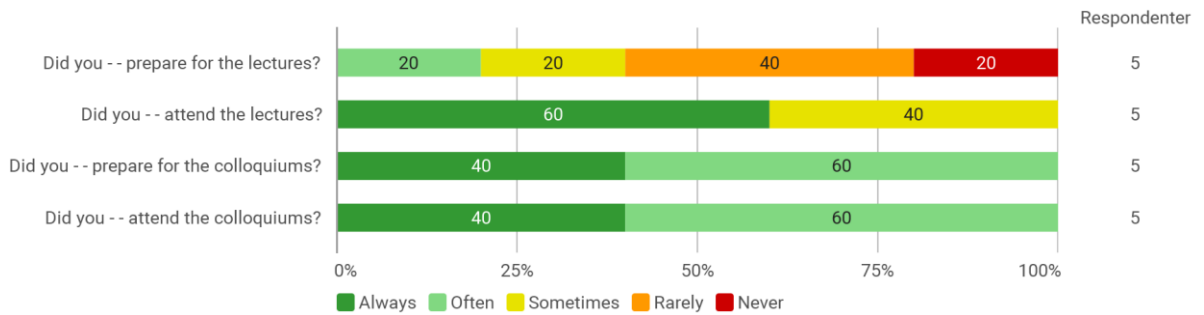
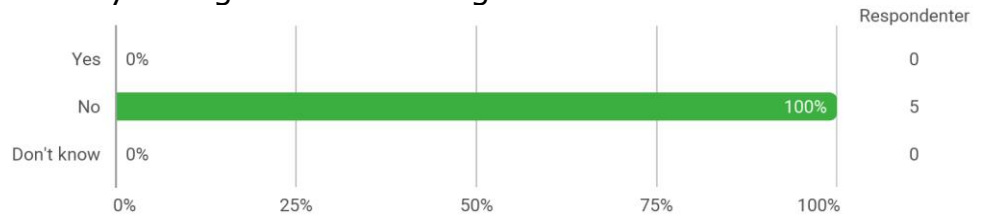
What program are you enrolled in?



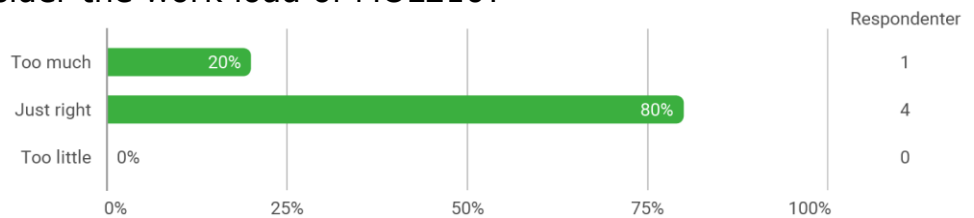
Does the subject fit its description at www.uib.no/course/MOL200?



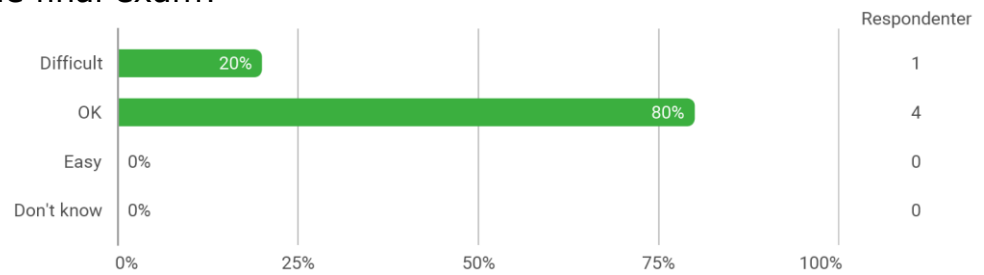
Did you lack any necessary background knowledge?



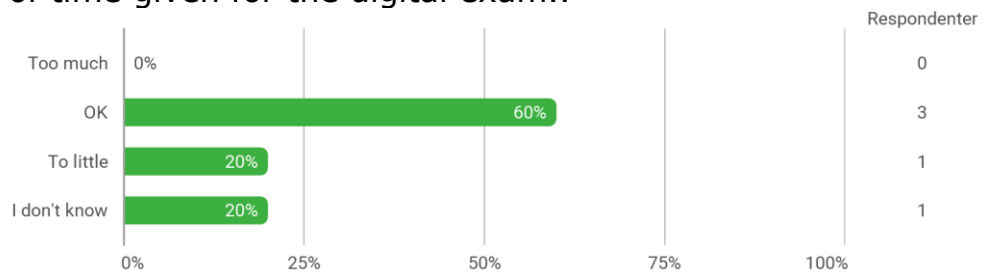
How would you consider the work load of MOL210?



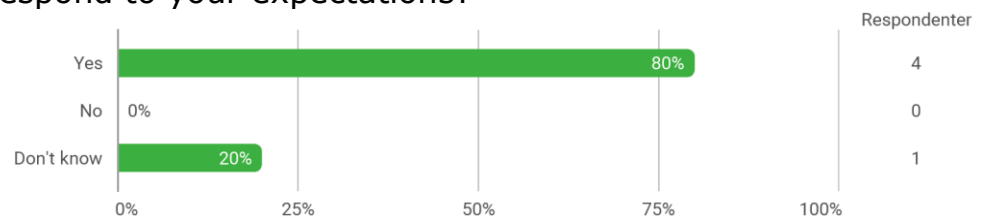
How did you find the final exam?



Where the amount of time given for the digital exam..



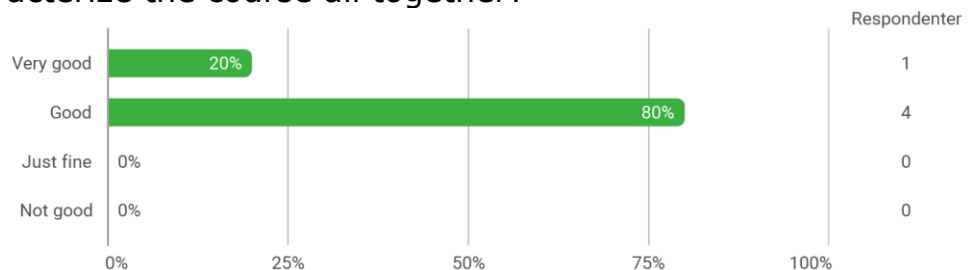
Did the course correspond to your expectations?



Did the corona situation affect your learning in MOL210 this semester?

- I would like to attend lectures in person, but I also very much appreciate being able to watch them again.
- To some extent. I was less motivated due to less socialization and change in "study environment", and in addition, remote learning requires more self-discipline.
- Yes, for me it would have been better to have the lectures at a fixed time, so you can schedule it better during the week
- The lectures were not as dynamic and interactive as they would have been in presential, given the fact that all lectures were given online.
It was therefore a bit difficult to stay focused, even though the lectures weren't too long (that was a good thing).
- Yes, a bit. Higher threshold to ask questions, less time to work with the subject with other students.

How would you characterize the course all together?



Any comments on the course all together?

- I thought there would be more specific disease cases in the course.
- Good and helpful professors and colloquium leaders
- The professor was very thoughtful and explained good

Samlet status

