

## EMNERAPPORT – INSTITUTT FOR BIOMEDISIN

ANNUAL EVALUATION REPORT – DEPARTMENT OF BIOMEDICINE

Emnekode: <i>COURSE CODE:</i>	<b>BMED325</b>	Semester / år:	<b>Høst / Autumn 2020</b>
Emnenavn: <i>COURSE NAME:</i>	<i>Cellular Biochemistry and Nanobiochemistry</i>	SEMESTER / YEAR:	
Emneansvarlig: <i>COURSE COORDINATOR:</i>	<b>Knut Teigen</b>	Godkjent:	Studieleder IBM 15.01.2021
Rapporteringsdato: <i>DATE OF REPORT:</i>	<b>13.01.2021</b>	APPROVED: (admin.)	

### INNLEDNING / INTRODUCTION:

Kort beskrivelse av emnet, inkl. studieprogramtilhørighet. Kommentarer om evt. oppfølging av tidligere evalueringer.

*SHORT COURSE DESCRIPTION, INCLUDING WHICH STUDENTS/CANDIDATES MAY ATTEND. COMMENTS TO CHANGES BASED ON PRIOR EVALUATIONS.*

*Cellular Biochemistry and Nanobiochemistry* (10 ECTS) is a mandatory course for students attending Master's Programme in Nanoscience (MAMN-NANO) who are going for a master project in nanobiology.

The main goal for the course is to give the student a theoretical overview of methods and technology frequently applied in biomedical nanotechnology, and hands-on experience of a few selected methods. The course starts with lectures for several weeks, and continues with experimental laboratory work under supervision.

5 students were registered for the course autumn semester 2020; 1 PhD candidate (PHDMD) and 1 Master student in Pharmacy (MATF-FARM) at the Faculty of Medicine and 3 Master's students in Nanoscience (MAMN-NANO) at the Faculty of Mathematics and Natural Sciences.

For course description, visit <http://www.uib.no/en/course/BMED325>

For previous evaluation reports, please visit <https://kvalitetsbasen.app.uib.no/popup.php?kode=BMED325>

### The evaluation report for 2019 listed following changes planned for 2020:

A challenge with this course is to find sufficient and relevant projects for the students to work on in the different research labs at the department, as project availability is based on good-will from research groups. Up until now, there has been sufficient projects to choose from, but if there should be an increase in the number of students, project availability could become more of an issue.

### Changes due to the outbreak of global COVID-19 (coronavirus disease) in 2020:

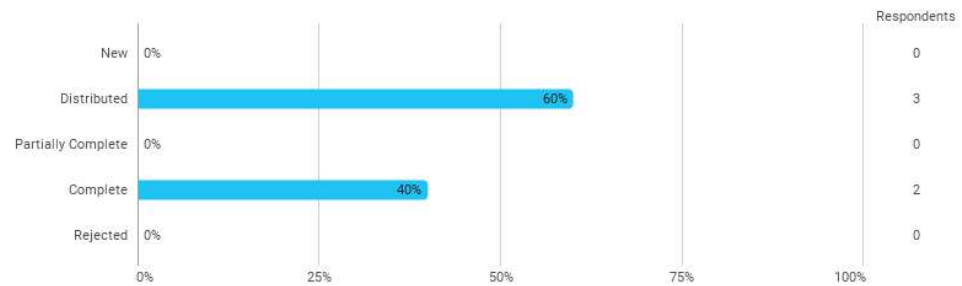
The spread of SARS-CoV-2 virus which made Norway to go for "lockdown" for part of the Spring semester, included closing the university's campuses and facilities for teaching and examination from medio March to June, had great impact on the activities also in the Fall Semester.

Due to the ongoing pandemic these changes were made in BMED325:

- Some of the lectures were digitalized, held in zoom instead of on campus
- Lab projects had to adhere to restrictions in each particular lab

<b>STATISTIKK / STATISTICS (admin.):</b>							
Antall vurderingsmeldte studenter: <i>NUMBER OF CANDIDATES REGISTERED FOR EXAMINATION:</i>		<b>5</b>		Antall studenter møtt til eksamen: <i>NUMBER OF CANDIDATES ATTENDED EXAMINATION:</i>		<b>5</b>	
Karakter- skala GRADING SCALE	«A-F»	<b>A:</b>	<b>B:</b>	<b>C:</b>	<b>D:</b>	<b>E:</b>	<b>F:</b>
		1	1	3	-	-	-
<b>KOMMENTARER TIL KARAKTERFORDELINGEN / COMMENTS TO THE STATISTICS:</b>							
<p>Emnerapporten utarbeides når sensuren etter ordinær eksamen i emnet er klar. For muntlige eksamener er da resultatfordelingen endelig, men for skriftlige eksamener kan endelig resultatfordeling avvike noe om evt. klagebehandling ikke er fullført.</p> <p><i>THIS REPORT IS PREPARED AFTER ORDINARY EXAMINATION. FOR ORAL EXAMS, THE RESULTS ARE FINAL, FOR WRITTEN EXAMS, THE FINAL GRADING DISTRIBUTION MAY DIFFER SLIGHTLY IF CANDIDATE COMPLAINTS/APPEALS HAVE NOT BEEN PROCESSED.</i></p>							
<p>Students were evaluated on how they presented their lab project in a written paper. All students were able to carry out their practical work in their respective lab, despite the restrictions on lab access due to the covid-situation. The overall quality of the lab reports was very good.</p>							
<b>SAMMENDRAG AV STUDENTENE SINE TILBAKEMELDINGER / SUMMARY OF EVALUATIONS GIVEN BY THE STUDENTS</b>							
<p>Spørreundersøkelse via Mitt UiB, annen evaluering, tilbakemelding fra tillitsvalgte og/eller andre.</p> <p><i>COURSE EVALUATION ON MITT UIB, OTHER EVALUATIONS, RESPONSES FROM THE STUDENT REPRESENTATIVES AND/OR OTHERS.</i></p>							
<p>First semester using SurveyXact as the digital evaluation system. Some of the questions were Multiple Choice Questions (MCQ), while others opened up for the students to give their own opinion as written text.</p> <p>The survey was set up as an anonym survey, and distributed to the students by use of their E mail addresses at UiB. The Survey was distributed the 19<sup>th</sup> of October to the 5 students registered for the course. Reminders was sent the 24<sup>th</sup> November to those that hadn't responded before.</p> <p>The attendees were asked about the academic content, the organization and the educational level of the teaching, and asked to evaluate the total workload of the course. They were asked to give their responses about the lectures, what they appreciate – or found disappointing – about the course, and to evaluate the given review articles. Finally came some questions regarding the exam and their learning outcomes.</p> <p>Due to the ongoing pandemic was all our students at the department also asked this question:</p> <p style="padding-left: 40px;">“How have digital teaching methods and restrictions on education on campus affected your learning and your study life? Feel free to mention both negative and positive experiences.”</p> <p>When the survey closed the 27<sup>th</sup> November, responses from only 2 students was registered.</p>							

#### Overall Status



#### RESULTS:

Overall, students seem to be satisfied with the course and learning outcome, with an average workload. It was pointed out that the lab supervisors might benefit from a more detailed clarification on how the lab project should be carried out.

#### EMNEANSVARLIG SIN EVALUERING OG VURDERING / EVALUATION AND COMMENTS BY COURSE COORDINATOR:

Faglæreres vurderinger av emnet. *TEACHER COMMENTS.*

Eksempel: Kommentarer om praktisk gjennomføring, undervisnings- og vurderingsformer, evt. endringer underveis, studieinformasjon på nett og Mitt UiB, litteraturtilgang, samt lokaler og utstyr.

*EXAMPLE: COMMENTS ABOUT PRACTICAL IMPLEMENTATION, TEACHING AND ASSESSMENT METHODS, IF NECESSARY. FUTURE CHANGES/CHANGES IN PROGRESS, STUDY INFORMATION ON THE INTERNET AND MITT UIB, LITERATURE ACCESS, LOCALES AND EQUIPMENT.*

Overall, students seem to be pleased with the course and feel that it is a good way to prepare them for a master project in nano-biomedicine.

#### MÅL FOR NESTE UNDERVISNINGSPERIODE – FORBEDRINGSTILTAK / PLANNED CHANGES FOR THE NEXT TEACHING PERIOD – HOW TO BE BETTER:

For next semester, I will prepare a text to share with the lab supervisors, with clarifications to how the students are expected to carry out their projects, and clarifications on layout of the written report.