Project

Title	Project
Semester	F2024
Master programme in	Chemical Biology
Type of activity	Project
Teaching language	English
Study regulation	Read about the Master Programme and find the Study Regulations at ruc.dk Læs mere om uddannelsen og find din studieordning på ruc.dk

REGISTRATION AND STUDY ADMINISTRATIVE

Registration	Tilmelding sker via STADS-Selvbetjening indenfor annonceret tilmeldingsperiode, som du kan se på Studieadministrationens hjemmeside Registration through STADS-Selvbetjeningwithin the announced registration period, as you can see on the Studyadministration homepage.
Number of participants	
ECTS	15
Responsible for the activity	Frederik Diness (diness@ruc.dk)
Head of study	Frederik Diness (diness@ruc.dk)
Teachers	
Study administration	INM Registration & Exams (inm-exams@ruc.dk)
Exam code(s)	U60053

ACADEMIC CONTENT

Overall objective	The goal of the project is to let 2-4 students work together on a project at the master level. This type of project can preferably be used by students with a bachelor from another university who want to familiarise with the

	PPL project model used at RUC, or by students who want to balance a master project on their own, with a group project.
Detailed description of content	The purpose of the project is that the student via a problem-oriented and exemplary example gain competences to work within chemical biology. The work can be mainly experimental, or theoretical.
Course material and Reading list	
Overall plan and expected work effort	**Projects 15 ECTS / 405 hours** • Semester start and group formation: 8-10 hours • Collective project progression: 0-2 hours • Exam: 2 hours • Supervision (incl. practical lab supervision): 31 hours • Report writing: 100 hours • Literature search: 120 hours • Practical project work (laboratory, model design, analysis, field work): 120 hours • Exam preparation: 20 hours
Format	
Evaluation and feedback	All projects' processes will include ongoing dialogue-based (oral) evaluation between the students and the supervisor. Both students and supervisors are expected to provide constructive feedback and viewpoints during the process. Feedback concerning the academic content and progression, process and collaboration. Every other year when the projects are handed in, there will also be an evaluation through a questionnaire in SurveyXact. The Study Board will handle all evaluations along with any comments from the head of study. Furthermore, students can, in accordance with RUCs 'feel free to state your views' strategy through their representatives at the study board, send evaluations, comments or insights from their project process to the study board during or after the project process.
Programme	At the beginning of the semester the students will form groups defined by a theme or research question of their choosing. The study activity is based

around PPL, where the group work independently and critically with the topic. This includes finding, reading, and understanding relevant literature, having regular productive group meetings, propose relevant scientific methods, models, experiments, or/and analysis that can lead to an answer to the research question, composing text for the final project project, and more. The project students agree with the supervisor on a regular meeting schedule; in order for the meetings to be fruitful the students must have an agenda and be well prepared for each meeting.

ASSESSMENT

Overall learning outcomes

- Knowledge of those parts of chemistry and biology that are relevant to the chosen research question
- Knowledge and understanding of the experimental/theoretical/ analytical methods used in the project
- Skills in planning and performing an experimental/theoretical/ analytical work
- Skills in analysing and presenting results achieved
- Skills in relating critically to the strengths and weaknesses of the methods used
- Skills in communicating the results achieved to a select target group
- Competences in formulating a non-trivial representative research question that can be illuminated with available methods and techniques
- Competences in familiarising themselves with a subject area via the study of textbooks and scientific literature
- Competences in being able to critically discuss the significance of the results obtained and to relate the results to selected scientific literature in the field
- Competences in reflecting on the function of the subject of chemistry and biology as a social, cultural, scientific, educational or teaching activity.

Form of examination	Oral project exam in groups with individual assessment. Permitted group size: 2-4 students. The character limits of the project report are: For 2 students: 24,000-180,000 characters, including spaces. For 3 students: 24,000-192,000 characters, including spaces. For 4 students: 24,000-192,000 characters, including spaces. The character limits include the cover, table of contents, summary, bibliography, figures and other illustrations, but exclude any appendices. Time allowed for exam including time used for assessment is for: 2 students: 60 minutes. 3 students: 75 minutes. 4 students: 90 minutes. Writing and spelling skills in the project report are part of the assessment. Permitted support and preparation materials at the oral exam: Personal notes, own reports and assignments Assessment: 7-point grading scale. Moderation: Internal co-assessor.
Form of Re-examination	Samme som ordinær eksamen / same form as ordinary exam
Type of examination in special cases	
Examination and assessment criteria	Assesment criteria: The project is evaluated on the basis of the students ability - to discuss and analyze the selected subject areas - to understand and reflect on the project. - to use and master scientific theories and methods while working with a specific, academic and relevant task - to analyze, categorize, discuss, argue, reflect and evaluate complex data on a scientific basis - to critically view and select scientific sources, literature, theories and methods - to write in accordance with academic text norms and for an academic target group - to use experimental methods in a research process

The assessment of the oral exam is based on the student's ability to meet the criteria mentioned above and their ability to - clearly present and communicate the scientific content of the project - engage in a scientific dialogue and discussion with the supervisor and assessor

Furthermore, whether the performance meets all formal requirements in regard to both for the written og oral exam.

Exam code(s) Exam code(s) : U60053

Course days:

Hold: 1

Chemical Biology - Introduction / Project Market 1

time 01-02-2024 12:15 til
01-02-2024 14:00
location 28b.0-01 - store teorirum (30)
Teacher Frederik Diness (diness@ruc.dk)

Chemical Biology - Project Market 2

time 05-02-2024 08:15 til
05-02-2024 10:00
location 28b.0-01 - store teorirum (30)
Teacher Frederik Diness (diness@ruc.dk)

Chemical Biology - Project Market 3

time 07-02-2024 12:30 til
07-02-2024 14:30
location 28b.0-01 - store teorirum (30)
Teacher Frederik Diness (diness@ruc.dk)

Project - Hand-in of project

time	29-05-2024 10:00 til 29-05-2024 10:00
forberedelsesnorm	ikke valgt
forberedelsesnorm D-VIP	ikke valgt

Project - Project examination

time	17-06-2024 08:15 til 28-06-2024 18:00
forberedelsesnorm	ikke valgt
forberedelsesnorm D-VIP	ikke valgt

Project - Project reexamination

time	01-08-2024 08:15 til 30-08-2024 18:00
forberedelsesnorm	ikke valgt
forberedelsesnorm D-VIP	ikke valgt

Content	**The common study regulations § 18, 5:** A student who has failed to pass an ordinary project examination is automatically registered for the re-examination. The student is entitled to make changes to the failed project report. The project report must be submitted no later than 14 days after the date for the ordinary project examination.