

# Project-oriented Internship

Title Project-oriented Internship

Semester E2023

Master programme in Chemical Biology

Type of activity Project oriented internship

Teaching language English

Study regulation Read about the Master Programme and find the Study Regulations at [ruc.dk](http://ruc.dk)

Læs mere om uddannelsen og find din studieordning på [ruc.dk](http://ruc.dk)

## REGISTRATION AND STUDY ADMINISTRATIVE

Please be aware of the approval requirements for a project-oriented internship. [You can read more about the approval process here](#)

Registration Tilmelding sker via [STADS-Selvbetjening](#) indenfor annonceret tilmeldingsperiode, som du kan se på [Studieadministrationens hjemmeside](#)

Registration through [STADS-Selvbetjening](#) within the announced registration period, as you can see on the [Studyadministration homepage](#).

Number of participants

ECTS 15

Responsible for the activity Anders Malmendal ([amalm@ruc.dk](mailto:amalm@ruc.dk))

Head of study Anders Malmendal ([amalm@ruc.dk](mailto:amalm@ruc.dk))

Teachers

Study administration INM Registration & Exams ([inm-exams@ruc.dk](mailto:inm-exams@ruc.dk))

Exam code(s) U60052

## ACADEMIC CONTENT

Overall objective The goal of the project-oriented internship is to let the student use his/her skills in an another working environment than the university. The internship may be with a company, a public authority, an educational institution, an organisation or the like.

The internship should allow the student to gain practical experience of working professionally with research questions in the field of chemical biology. The student must prepare an internship project with a chemical biology research question relevant to the internship and the tasks the student has had.

Detailed description of content The student is responsible for finding an internship, and for the completion of the task agreed with the place of internship and the university.

The student will be assigned a supervisor and the internship agreement must be approved by the Study Board in advance. The internship runs parallel with the master thesis in the 3rd semester and it is encouraged that the two projects benefit from each other.

Course material and Reading list There is no fixed syllabus. Students themselves select relevant literature for their project work.

### **Internship / 405 hours**

- Exam and assessment: 0,5 hours
- Supervision: 7-8 hours
- Literature search and report writing: 100 hours
- Time at the internship host: 287 hours
- Exam preparation: 10 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 The programme is negotiated with the place of internship and supervisor and stated in the internship agreement. Note that the internship can run parallel or subsequent to the master thesis (45 ECTS) in the 3rd semester.

## ASSESSMENT

- Knowledge of the areas of chemistry and biology relevant to the selected research question at the internship workplace
  - Knowledge of the relevant experimental/theoretical/analytical methods that can be used for the selected research question
  - Knowledge of and insight into how the challenges of the internship can be addressed through the use of chemistry theories and experiments
  - Skills in analysing complex practical issues and planning possible solution strategies by using chemical methods
  - Skills in describing, analysing and discussing concrete practical issues using chemical theories, concepts and methods
  - Skills in relating critically to the strengths and weaknesses of the methods used
  - Skills in communicating the results achieved to a selected target group
  - Competences in participating in the preparation of solution strategies based on the critical use of chemical theories and methods
- Overall learning outcomes

- Competences in formulating a non-trivial representative application-oriented chemical research question that can be illuminated by available methods and techniques
- Competences in familiarising themselves with an application-oriented subject area in 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 and application-oriented literature in the field
- Competences in reflecting on the role of the profession as a technical, societal, cultural, scientific, educational or teaching activity.

Project oriented internship with a written product.

Form of examination

The character limit of the written product is: 26,400-96,000 characters, including spaces.

The character limits include the cover, table of contents, bibliography, figures and other illustrations, but exclude any appendices.

Form of Re-examination  
Type of examination in special cases

Assessment: 7-point grading scale.

Moderation: Internal co-assessor.

Samme som ordinær eksamen / same form as ordinary exam

Examination and assessment criteria

Assesment criteria:

- 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
- to critically reflect on the practice of a specific workplace based on the theories and methods employed in Chemical Biology.

The assessment of the oral exam is based on the student's ability to

- to meet the criteria mentioned above
- to clearly present and communicate the scientific content of the project
- to engage in a scientific dialogue and discussion with the supervisor and assessor and whether the performance meets all formal requirements for the written og oral exam.

Exam code(s) Exam code(s) : U60052

## **Course days:**

**Hold: 1**

### **Project-oriented Internship - Hand-in of project**

time 19-12-2023 10:00 til  
19-12-2023 10:00  
forberedelsesnorm ikke valgt  
forberedelsesnorm D-VIP ikke valgt

### **Project-oriented Internship - Project examination**

time 15-01-2024 08:15 til  
31-01-2024 18:00  
forberedelsesnorm ikke valgt

forberedelsesnorm D-VIP ikke valgt

## **Project-oriented Internship - Project reexamination**

time 01-02-2024 08:15 til  
29-02-2024 18:00

forberedelsesnorm ikke valgt

forberedelsesnorm ikke valgt

D-VIP

### **The common study regulations § 18, 5:**

Content

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