

Advanced Project in Computer Science

Title	Advanced Project in Computer Science
Semester	E2024
Master programme in	Computer Science
Type of activity	Project
Teaching language	English
Study regulation	Read about the Master Programme and find the Study Regulations at ruc.dk

REGISTRATION AND STUDY ADMINISTRATIVE

You register for activities through [stads selvbetjening](#) during the announced registration period, which you can see on the [Study administration homepage](#).

Registration When registering for courses, please be aware of the potential conflicts and overlaps between course and exam time and dates. The planning of course activities at Roskilde University is based on the recommended study programmes, which should not overlap. However, if you choose optional courses and/or study plans that goes beyond the recommended study programmes, an overlap of lectures or exam dates may occur depending on which courses you choose.

Number of participants

ECTS 15

Responsible for the activity Henrik Bulskov (bulskov@ruc.dk)

Head of study Henrik Bulskov (bulskov@ruc.dk)

Teachers

Study administration IMT Registration & Exams (imt-exams@ruc.dk)

Exam code(s) U60063

ACADEMIC CONTENT

Overall objective The project work is problem-oriented and must develop the student's skills in applying theories and methods within a defined academic computer science topic. The project work involves a self-chosen problem in relation to the design and implementation of an IT application in a complex context. The project gives students the opportunity to describe and reflect upon independently completed work dealing with a complex research question.

Detailed description of content The project work is problem-oriented and must develop the student's skills in applying theories and methods within a defined academic computer science topic. The project work involves a self-chosen problem in relation to the design and implementation of an IT application in a complex context. The project gives students the opportunity to describe and reflect upon independently completed work dealing with a complex research question.

Course material and Reading list Decided by students and supervisor.

Overall plan and expected work effort Total workload of 412 hours.

Format

Evaluation and feedback Projects are survey evaluated by the IMT department.

Programme As agreed with the supervisor.

ASSESSMENT

After completing this course, students will be able to:

Overall learning outcomes

- demonstrate knowledge and understanding of the latest theories and methods within the selected computer science subject area.
- describe and reflect upon independently completed work dealing with a research question related to a selected computer science subject.

- define and justify a selected research question and independently plan and complete the solution using relevant high-level scientific literature.
- manage complex IT development situations that require new solution models.

Oral project exam in groups with individual assessment.

Permitted group size: 2-6 students.

The character limits of the project report are:

For 2 students: 4,800-180,000 characters, including spaces.

For 3 students: 4,800-192,000 characters, including spaces.

For 4 students: 4,800-192,000 characters, including spaces.

For 5 students: 4,800-204,000 characters, including spaces.

For 6 students: 4,800-204,000 characters, including spaces.

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

Form of
examination

Time allowed for exam including time used for assessment is for:

2 students: 60 minutes.

3 students: 75 minutes.

4 students: 90 minutes.

5 students: 105 minutes.

6 students: 120 minutes.

Writing and spelling skills in the project report are part of the assessment.

Permitted support and preparation materials at the oral exam: All

Assessment: 7-point grading scale.

Moderation: Internal co-assessor.

Form of Re-
examination
Type of
examination
in special
cases

Samme som ordinær eksamen / same form as ordinary exam

Examination and assessment criteria The exam will be based on the project report. In the assessment of the examination, emphasis will be placed on the learning outcomes.

Exam code(s) Exam code(s) : U60063

Course days:

Hold: 1

Study- and semesterstart - 3rd semester - Computer Science (COMP)

time 05-09-2024 09:00 til
05-09-2024 17:00

location 25.3-005 - teorirum 25.3 (80)

Study- and semesterstart - 3rd semester - Computer Science (COMP)

time 06-09-2024 09:00 til
06-09-2024 17:00

forberedelsesnorm ikke valgt

forberedelsesnorm D-VIP ikke valgt

location 03.1-ne01 - auditorie c (50)

Study- and semesterstart - 3rd semester - Computer Science - Project hand-in, exam (COMP)

time 18-12-2024 10:00 til
18-12-2024 10:00

forberedelsesnorm ikke valgt

forberedelsesnorm D-VIP ikke valgt

Study- and semesterstart - 3rd semester - Computer Science - Oral project exam (COMP)

time 20-01-2025 08:15 til
31-01-2025 18:00

forberedelsesnorm ikke valgt

forberedelsesnorm D-VIP ikke valgt

Study- and semesterstart - 3rd semester - Computer Science - Oral project reexam (COMP)

time 03-02-2025 08:15 til
28-02-2025 18:00

forberedelsesnorm ikke valgt

forberedelsesnorm D-VIP ikke valgt