

Advanced Project in Computer Science

Title	Advanced Project in Computer Science
Semester	E2022
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

Registration	Sign up for study activities at STADS Online Student Service within the announced registration period, as you can see on the Study administration homepage . Registration for project-exam: Please remember to confirm your registration by signing up for exam as a group when the group formation is final. The registration is through STADS Online Student Service . When signing up for study activities, please be aware of potential conflicts between study activities or exam dates. The planning of activities at Roskilde University is based on the recommended study programs which do not overlap. However, if you choose optional courses and/or study plans that goes beyond the recommended study programs, an overlap of lectures or exam dates may occur depending on which courses you choose.
Number of participants	
ECTS	15
Responsible for the activity	
Head of study	Henrik Bulskov (bulskov@ruc.dk)
Teachers	
Study administration	IMT Studyadministration (imt-studyadministration@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
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	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

Overall learning outcomes	After completing this course, students will be able to: • 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.
Form of examination	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.

	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	Samme som ordinær eksamen / same form as ordinary exam
Type of examination in special cases	
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

Advanced Project in Computer Science - Project hand-in (COMP)

time	20-12-2022 10:00 til 20-12-2022 10:00
forberedelsesnorm	ikke valgt
forberedelsesnorm D-VIP	ikke valgt

Advanced Project in Computer Science - Oral examination period (COMP)

time	16-01-2023 08:15 til 31-01-2023 18:00
forberedelsesnorm	ikke valgt

forberedelsesnorm D-VIP ikke valgt

Advanced Project in Computer Science - Oral reexamination period (COMP)

time 01-02-2023 08:15 til
28-02-2023 18:00

forberedelsesnorm ikke valgt

forberedelsesnorm D-VIP ikke valgt