

Project in Advanced Computer Science

About the course

subject	Datalogi
activitytype	master project
Teaching language	English
Registration	Registration is happening through stads selvbetjening within the announced registration period, as you can see on the Studyadministration homepage. When registering for courses, please be aware of the potential conflicts between courses or exam dates on courses. The planning of course 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.
Detailed description of content	Projects should be done in the area of computer science
Project Process	Project and group formation takes place in the first week of the semester. Projects should be done in groups of 2-6 students
Expected work effort (ECTS-declaration)	Project work will have a total workload of 420 hours. 40 hours are spent on project formation and around 40 hours for the exam and preparation for the exam. During the project period, there are 15 hours of project formation workshops and internal evaluation and groups of 4 students can expect 15 hours of supervision during their project. Students working alone must expect a reduced number of supervisions.
Course material and Reading list	The project report should include references to relevant research literature
Evaluation- and feedback forms	The students will receive comments and suggestions to drafts of the report during supervisions
Head of studies/ academic coordinator	Mads Rosendahl (madsr@ruc.dk)
Administration of exams	IMT Studieadministration (imt-studieadministration@ruc.dk)
Responsible for the activity	Mads Rosendahl (madsr@ruc.dk)
ECTS	15
Learning outcomes and assessment criteria	• In-depth knowledge and understanding of the theoretical, methodological and practical opportunities and problems that are associated with software development, using specific models from the core areas or an elective subject • Proficiency in describing and reflecting upon an independently cosearch question is analysed using relevant solution models • Proficiency in defining and justifying a selected solution model and to independently plan and complete a solution using relevant high-level scientific literature • Proficiency in mastering concepts, theories and methods based on literature and using these in a reflecting manner to solve concrete computer science problems • Competences in managing computer science development situations that are complex and require new solutions
Overall content	Project on a self-selected problem related to software development. The project gives students the opportunity to describe and reflect upon independently completed work dealing with a complex research question.

Teaching and working methods	The project's topic is selected by the students in accordance with the requirements for the learning outcomes and, if relevant, specific subjects and themes determined by the Board of Studies.
Type of activity	Project
Form of examination (p1)	Group exam for the participants in the project work. The exam is based on the students' project report and additional material. The exam includes individual presentations on a topic of the students' own choice. The topic must be relevant to the issues highlighted in the project report. Each individual presentation lasts up to 5 minutes. The individual presentations are followed by a dialogue between the students and the assessors based on the project. There may be posed questions related to the subject area of the project report. The assessment is individual and is based on the project report and additional material and the student's oral performance. Permitted group size: 2-6 students. The character limits of the project report are: For 2 students: 40,800-180,000 characters, including spaces. For 3 students: 40,800-192,000 characters, including spaces. For 4 students: 40,800-192,000 characters, including spaces. For 5 students: 40,800-204,000 characters, including spaces. For 6 students: 40,800-204,000 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. Spelling and communication skills in the project report are part of the assessment. Permitted support and preparation materials during the exam: All. Assessment: 7-point grading scale. Moderation: Internal co-assessor.
Form of Re-examination (p1)	Samme som ordinær eksamen
Exam code(s)	Exam code(s) : U40127

Course days:

Hold: 1

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

time	20-12-2021 10:00 til 20-12-2021 10:00
forberedelsesnorm	ikke valgt
forberedelsesnorm D-VIP	ikke valgt

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

time	20-01-2022 08:15 til 31-01-2022 18:00
forberedelsesnorm	ikke valgt
forberedelsesnorm D-VIP	ikke valgt

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

time	01-02-2022 08:15 til 28-02-2022 18:00
forberedelsesnorm	ikke valgt
forberedelsesnorm D-VIP	ikke valgt