

## Advanced Project in Computer Science

Title	Advanced Project in Computer Science
Semester	E2023
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 <a href="https://ruc.dk">ruc.dk</a>

### REGISTRATION AND STUDY ADMINISTRATIVE

Registration	<p>You register for activities through <a href="#">stads selvbetjening</a> during the announced registration period, which you can see on the <a href="#">Study administration homepage</a>.</p> <p>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.</p>
Number of participants	
ECTS	15
Responsible for the activity	Henrik Bulskov ( <a href="mailto:bulskov@ruc.dk">bulskov@ruc.dk</a> )
Head of study	Henrik Bulskov ( <a href="mailto:bulskov@ruc.dk">bulskov@ruc.dk</a> )
Teachers	
Study administration	IMT Registration & Exams ( <a href="mailto:imt-exams@ruc.dk">imt-exams@ruc.dk</a> )
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
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	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.
<b>ASSESSMENT</b>	
Overall learning outcomes	<p>After completing this course, students will be able to:</p> <ul style="list-style-type: none"> <li>• demonstrate knowledge and understanding of the latest theories and methods within the selected computer science subject area.</li> <li>• describe and reflect upon independently completed work dealing with a research question related to a selected computer science subject.</li> <li>• define and justify a selected research question and independently plan and complete the solution using relevant high-level scientific literature.</li> <li>• manage complex IT development situations that require new solution models.</li> </ul>
Form of examination	<p>Oral project exam in groups with individual assessment.</p> <p>Permitted group size: 2-6 students.</p> <p>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.</p> <p>Time allowed for exam including time used for assessment is for:</p>

	<p>2 students: 60 minutes.  3 students: 75 minutes.  4 students: 90 minutes.  5 students: 105 minutes.  6 students: 120 minutes.</p> <p>Writing and spelling skills in the project report are part of the assessment.</p> <p>Permitted support and preparation materials at the oral exam: All</p> <p>Assessment: 7-point grading scale.  Moderation: Internal co-assessor.</p>
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

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

time 07-09-2023 09:00 til  
07-09-2023 17:00

location 10.1-025 - teorirum (32)

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

time 08-09-2023 09:00 til  
08-09-2023 17:00

location 10.1-025 - teorirum (32)

## Advanced Project in Computer Science - Hand-in (COMP)

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

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

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

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

time	01-02-2024 08:15 til 29-02-2024 18:00
forberedelsesnorm	ikke valgt
forberedelsesnorm D-VIP	ikke valgt