

Specialization Project in Computer Science

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| Title | Specialization Project in Computer Science |
| Semester | F2023 |
| 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

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| 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 | Henning Christiansen (henning@ruc.dk) Maja Hanne Kirkeby (majaht@ruc.dk) Sune Thomas Bernth Nielsen (stbn@ruc.dk) |
| Head of study | Henrik Bulskov (bulskov@ruc.dk) |
| Teachers | |
| Study administration | IMT Registration & Exams (imt-exams@ruc.dk) |
| Exam code(s) | U60060 |

ACADEMIC CONTENT

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| Overall objective | The project work is problem-oriented and must develop the student's skills in applying theories and methods within a defined academic topic. |
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| | The project work involves a self-chosen problem in relation to one or more of the selected specializations. The project must give the student the opportunity to describe and reflect over independently performed work, in which complex issues are addressed. |
| 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 topic. The project work involves a self-chosen problem in relation to one or more of the selected specializations. The project must give the student the opportunity to describe and reflect over independently performed work, in which complex issues are addressed. |
| Course material and Reading list | |
| Overall plan and expected work effort | Total workload of 412 hours. All activities are on campus unless otherwise agreed with the supervisor. |
| Format | |
| Evaluation and feedback | |
| Programme | |
| ASSESSMENT | |
| Overall learning outcomes | <p>After completing this activity, students will be able to:</p> <ul style="list-style-type: none"> • demonstrate advanced knowledge and understanding of certain specialized computer science areas. • identify scientific questions in relation to the analysis, design, and construction of software systems. • work critically with the selection and application of methods and techniques. • communicate research-based knowledge and understanding about computer science. • discuss professional computer science-related research questions. • construct complex IT solutions individually and in software development teams. • organize, manage, and implement complex IT projects that require new solutions. • initiate and complete IT solutions that require interdisciplinary collaboration. |
| 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: 204,000-204,000 characters, including spaces.</p> |

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| | <p>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: 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 | <p>Oral project exam in groups with individual assessment.</p> <p>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</p> <p>After completing this activity, students will be able to: ● demonstrate advanced knowledge and understanding of certain specialized computer science areas. ● identify scientific questions in relation to the analysis, design, and construction of software systems. ● work critically with the selection and application of methods and techniques. ● communicate research-based knowledge and understanding about computer science. ● discuss professional computer science-related research questions. ● construct complex IT solutions individually and in software development teams. ● organize, manage, and implement complex IT projects that require new solutions. ● initiate and complete IT solutions that require interdisciplinary collaboration.</p> |
| Exam code(s) | Exam code(s) : U60060 |

Course days:

Hold: 1

Specialization Project in Computer Science - Semesterstart (COMP)

time 01-02-2023 09:00 til
01-02-2023 16:00

location 10.1-025 - teorirum (32)

Specialization Project in Computer Science - Final project formation (COMP)

time 20-03-2023 12:15 til
20-03-2023 16:00

location 10.1-025 - teorirum (32)

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

time 07-06-2023 10:00 til
07-06-2023 10:00

forberedelsesnorm ikke valgt

forberedelsesnorm D-VIP ikke valgt

Specialization Project in Computer Science - Oral examination (COMP)

time 19-06-2023 08:15 til
30-06-2023 18:00

forberedelsesnorm ikke valgt

forberedelsesnorm D-VIP ikke valgt

Specialization Project in Computer Science - Oral reexamination (COMP)

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| time | 01-08-2023 08:15 til 31-08-2023 18:00 |
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