# Research Seminar in Computer Science

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| Title | Research Seminar in Computer Science |
| Semester | E2022 |
| Master programme in | Computer Science |
| Type of activity | Course |
| Teaching language | English |
| Study regulation | Read about the Master Programme and find the Study Regulations at [ruc.dk](ruc.dk) |

## REGISTRATION AND STUDY ADMINISTRATIVE

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| Registration | Sign up for study activities at [STADS Online Student Service](STADS Online Student Service) within the announced registration period, as you can see on the [Study administration homepage](Study administration homepage). 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 | 5 |
| Responsible for the activity | |
| Head of study | Henrik Bulskov ([bulskov@ruc.dk](bulskov@ruc.dk)) |
| Teachers | |
| Study administration | IMT Studyadministration ([imt-studyadministration@ruc.dk](imt-studyadministration@ruc.dk)) |
| Exam code(s) | U60062 |

## ACADEMIC CONTENT

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| Overall objective | The course is designed to prepare the students for their subsequent master's thesis in Computer Science. The course enables the students to describe a specific area of specialization and prepare a draft of the research question within the subject area. During the course, the students will find and select key, relevant peer-reviewed research publications within the subject area. |

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| Detailed description of content | The course is designed to prepare the students for their subsequent master's thesis in Computer Science.

The course enables the students to describe a specific area of specialization and prepare a draft of the research question within the subject area. During the course, the students will find and select key, relevant peer-reviewed research publications within the subject area. |
| Course material and Reading list | Selected articles and lecture notes that will be made available on the course Moodle page. |
| Overall plan and expected work effort | The course will have a total workload of 135 hours with

- 40 hours of lectures and exercises,
- 70 hours of preparation over the course period and
- 25 hours for the exam and preparation before the course. |
| Format | |
| Evaluation and feedback | Evaluation form to be filled out (anonymously) plus open discussion on the last course day. |
| Programme | |

**ASSESSMENT**

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| Overall learning outcomes | After completing this course, students will be able to:

- demonstrate advanced knowledge and understanding of a selected specialized computer science area based on the highest levels of international research.
- work independently on research-based questions in the field of computer science.
- take responsibility for one's own professional development and specialization in the field of computer science.
- communicate research-based knowledge and understanding of computer science and discuss professional computer science-related research questions on a scientific basis with both colleagues and non-specialists.
- work with IT issues both independently and in teams and be able to become proficient in new computer science subject areas in a systematic and critical way and independently take responsibility for one's own professional development and specialization. |
| Form of examination | Individual oral exam based on a written product..

The character limit of the written product is maximum 48.000 characters, including spaces.
The character limits include the cover, table of contents, bibliography, figures and other illustrations, but exclude any appendices.

Time allowed for exam including time used for assessment: 20 minutes.
The assessment is an overall assessment of the written product(s) and the subsequent oral examination.

Permitted support and preparation materials for the oral exam: All. |

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| | Assessment: 7-point grading scale.<br>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 conducted as a dialogue.<br><br>In the exam, each student has a total of 20 minutes, which includes presentation, questions, grading and feedback. It is therefore recommended that the student use a maximum og 10 slides in the submission and exam. |
| Exam code(s) | Exam code(s) : U60062 |

## Course days:

## Hold: 1

# Research Seminar in Computer Science (DAT)

| | |
|---|---|
| time | 13-09-2022 12:15 til<br>13-09-2022 16:00 |
| location | 10.1-025 - teorirum (32) |
| Teacher | Hua Lu ( luhua@ruc.dk ) |

# Research Seminar in Computer Science (DAT)

| | |
|---|---|
| time | 20-09-2022 12:15 til<br>20-09-2022 16:00 |
| location | 10.1-025 - teorirum (32) |
| Teacher | Hua Lu ( luhua@ruc.dk ) |

# Research Seminar in Computer Science (DAT)

| | |
|---|---|
| time | 27-09-2022 12:15 til<br>27-09-2022 16:00 |

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|---|---|
| forberedelsesnorm | ikke valgt |
| forberedelsesnorm D-VIP | ikke valgt |
| location | 10.1-025 - teorirum (32) |
| Teacher | Hua Lu ( luhua@ruc.dk ) |

## Research Seminar in Computer Science (DAT)

| | |
|---|---|
| time | 04-10-2022 12:15 til 04-10-2022 16:00 |
| forberedelsesnorm | ikke valgt |
| forberedelsesnorm D-VIP | ikke valgt |
| location | 06.1-032 - teorirum (65) |
| Teacher | Hua Lu ( luhua@ruc.dk ) |

## Research Seminar in Computer Science (DAT)

| | |
|---|---|
| time | 11-10-2022 12:15 til 11-10-2022 16:00 |
| location | 10.1-025 - teorirum (32) |
| Teacher | Hua Lu ( luhua@ruc.dk ) |

## Research Seminar in Computer Science (DAT)

| | |
|---|---|
| time | 18-10-2022 12:15 til 18-10-2022 16:00 |
| location | 10.1-025 - teorirum (32) |
| Teacher | Hua Lu ( luhua@ruc.dk ) |

## Research Seminar in Computer Science (DAT)

| | |
|---|---|
| time | 25-10-2022 12:15 til 25-10-2022 16:00 |
| location | 10.1-025 - teorirum (32) |
| Teacher | Hua Lu ( luhua@ruc.dk ) |

## Research Seminar in Computer Science (DAT)

| | |
|---|---|
| time | 01-11-2022 12:15 til<br>01-11-2022 16:00 |
| location | 10.1-025 - teorirum (32) |
| Teacher | Hua Lu ( luhua@ruc.dk ) |

## Research Seminar in Computer Science (DAT)

| | |
|---|---|
| time | 15-11-2022 12:15 til<br>15-11-2022 16:00 |
| location | 10.1-025 - teorirum (32) |
| Teacher | Hua Lu ( luhua@ruc.dk ) |

## Research Seminar in Computer Science (DAT)

| | |
|---|---|
| time | 22-11-2022 12:15 til<br>22-11-2022 16:00 |
| forberedelsesnorm | ikke valgt |
| forberedelsesnorm D-VIP | ikke valgt |
| location | 10.1-025 - teorirum (32) |
| Teacher | Hua Lu ( luhua@ruc.dk ) |

## Research Seminar in Computer Science - Hand-in (DAT)

| | |
|---|---|
| time | 04-01-2023 10:00 til<br>04-01-2023 10:00 |
| forberedelsesnorm | ikke valgt |
| forberedelsesnorm D-VIP | ikke valgt |

## Research Seminar in Computer Science - Oral examination (DAT)

| | |
|---|---|
| time | 16-01-2023 08:15 til<br>17-01-2023 18:00 |
| forberedelsesnorm | ikke valgt |
| forberedelsesnorm D-VIP | ikke valgt |

Location (when shared activity)    09.2-007 - grupperum (6)

## Research Seminar in Computer Science - Reexam - Hand-in (DAT)

| | |
|---|---|
| time | 22-02-2023 10:00 til 22-02-2023 10:00 |
| forberedelsesnorm | ikke valgt |
| forberedelsesnorm D-VIP | ikke valgt |

## Research Seminar in Computer Science - Oral reexamination (DAT)

| | |
|---|---|
| time | 27-02-2023 08:15 til 27-02-2023 18:00 |
| forberedelsesnorm | ikke valgt |
| forberedelsesnorm D-VIP | ikke valgt |
| Location (when shared activity) | 09.2-053 - mødelokale (12) |