

Research Seminar in Computer Science

Title	Research Seminar in Computer Science
Semester	E2024
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

REGISTRATION AND STUDY ADMINISTRATIVE

You register for activities through [stads selvbetjening](#) during the announced registration period, which you can see on the [Study administration homepage](#).

Registration 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.

Number of participants

ECTS 5

Responsible for the activity Hua Lu (luhua@ruc.dk)

Head of study Henrik Bulskov (bulskov@ruc.dk)

Teachers

Study administration IMT Registration & Exams (imt-exams@ruc.dk)

Exam code(s) U60062

ACADEMIC CONTENT

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.

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.

The course will have a total workload of 135 hours with

Overall plan and expected work effort

- 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

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.

Oral exam (Individual or group) based on a written product

Permitted group size: 2-4 students.

The character limits of the written product:

For 1 student : maximum 14,400 characters, including spaces.

For 2 students: maximum 16,800 characters, including spaces.

For 3 students: maximum 18,000 characters, including spaces.

For 4 students: maximum 19,200 characters, including spaces.

The character limits include the cover, table of contents, bibliography, figures and other illustrations, but exclude appendices.

Form of
examination

Time allowed for the exam including time used for assessment is for:

1 student 20 minutes.

2 students: 40 minutes.

3 students: 55 minutes.

4 students: 70 minutes.

The assessment is individual and based on the student's individual performance.

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.

Assessment: Pass/Fail

Moderation: Internal co-assessor.

Form of Re-examination Samme som ordinær eksamen / same form as ordinary exam

Type of examination in special cases

The exam will be conducted as a dialogue.

Examination and assessment criteria

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 of 10 slides in the submission and exam.

Exam code(s) Exam code(s) : U60062

Course days:

Hold: 1

Research Seminar in Computer Science (COMP)

time 10-09-2024 12:15 til
10-09-2024 16:00

location 44.3-40 - teorilokale (50)

Teacher Hua Lu (luhua@ruc.dk)

Research Seminar in Computer Science (COMP)

time 17-09-2024 12:15 til
17-09-2024 16:00

location 27.2-054 - lokale 3 (40)

Teacher Hua Lu (luhua@ruc.dk)

Research Seminar in Computer Science (COMP)

time 24-09-2024 12:15 til
24-09-2024 16:00

location 44.3-40 - teorilokale (50)

Teacher Hua Lu (luhua@ruc.dk)

Research Seminar in Computer Science (COMP)

time 01-10-2024 12:15 til
01-10-2024 16:00
location 44.3-40 - teorilokale (50)
Teacher Hua Lu (luhua@ruc.dk)

Research Seminar in Computer Science (COMP)

time 08-10-2024 12:15 til
08-10-2024 16:00
forberedelsesnorm ikke valgt
forberedelsesnorm D-VIP ikke valgt
location 27.2-054 - lokale 3 (40)
Teacher Hua Lu (luhua@ruc.dk)

Research Seminar in Computer Science (COMP)

time 15-10-2024 12:15 til
15-10-2024 16:00
location 44.3-40 - teorilokale (50)
Teacher Hua Lu (luhua@ruc.dk)

Research Seminar in Computer Science (COMP)

time 22-10-2024 12:15 til
22-10-2024 16:00
forberedelsesnorm ikke valgt
forberedelsesnorm D-VIP ikke valgt
location 40.2-25 - teorirum (foldedør ud til kantineområdet) (50)
Teacher Hua Lu (luhua@ruc.dk)

Research Seminar in Computer Science (COMP)

time 29-10-2024 12:15 til
29-10-2024 16:00
location 44.3-40 - teorilokale (50)
Teacher Hua Lu (luhua@ruc.dk)

Research Seminar in Computer Science (COMP)

time 05-11-2024 12:15 til
05-11-2024 16:00
forberedelsesnorm ikke valgt
forberedelsesnorm D-VIP ikke valgt
location 45.2-051 - teorirum 45.2 (90)
Teacher Hua Lu (luhua@ruc.dk)

Research Seminar in Computer Science (COMP)

time 12-11-2024 12:15 til
12-11-2024 16:00
location 44.3-40 - teorilokale (50)
Teacher Hua Lu (luhua@ruc.dk)

Research Seminar in Computer Science - Hand-in written exam (COMP)

time 19-11-2024 10:00 til
19-11-2024 10:00
forberedelsesnorm ikke valgt
forberedelsesnorm D-VIP ikke valgt

Research Seminar in Computer Science - Oral exam (COMP)

time 25-11-2024 08:15 til
26-11-2024 18:00
forberedelsesnorm ikke valgt
forberedelsesnorm D-VIP ikke valgt
Teacher Hua Lu (luhua@ruc.dk)

Research Seminar in Computer Science - Hand-in written reexam (COMP)

time 03-02-2025 10:00 til
03-02-2025 10:00
forberedelsesnorm ikke valgt
forberedelsesnorm D-VIP ikke valgt

Research Seminar in Computer Science - Oral reexam (COMP)

time	07-02-2025 08:15 til 07-02-2025 18:00
forberedelsesnorm	ikke valgt
forberedelsesnorm D-VIP	ikke valgt
Teacher	Hua Lu (luhua@ruc.dk)