

## Master Thesis in Computer Science

Title	Master Thesis in Computer Science
Semester	F2023
Master programme in	Computer Science
Type of activity	Master Thesis
Teaching language	English
Study regulation	Read about the Master Programme and find the Study Regulations at <a href="http://ruc.dk">ruc.dk</a>

### REGISTRATION AND STUDY ADMINISTRATIVE

Registration	Registration is happening through <a href="#">STADS Online Student Service</a> within the announced registration period, as you can see on the <a href="#">Study administration homepage</a> .
Number of participants	
ECTS	30
Responsible for the activity	
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)	U60065

### ACADEMIC CONTENT

Overall objective	The thesis academically concludes the study program. It should be done in the area of computer science, as specified in section 2 "The programme's objective, employment and competency profile". The objective of the course of study is to carry out a substantial academic task, which fulfils the study program's scientific standards. Through working on the thesis, the student should develop thorough knowledge of a topic of his or her own choosing. This must be within the parameters of the academic field of study and must be based on the relevant scientific literature of the field. The thesis must further develop the student's ability to independently structure his or her own work processes, including the ability to plan, organize, and create a substantial academic work as well as the ability to identify the need for the independent acquisition of new
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	knowledge, and the ability to communicate his or her work in a clear and intelligible fashion.
Detailed description of content	The thesis academically concludes the study program. It should be done in the area of computer science (as specified in section 2 in the study regulation). The objective of the course of study is to carry out a substantial academic task. Through working on the thesis, the student should develop thorough knowledge of a topic of his or her own choosing. This must be within the parameters of the academic field of study and must be based on the relevant scientific literature of the field. The thesis must further develop the student's ability to independently structure his or her own work processes, including the ability to plan, organize, and create a substantial academic work as well as the ability to identify the need for the independent acquisition of new knowledge, and the ability to communicate his or her work in a clear and intelligible fashion.
Course material and Reading list	To be decided by the student/s and the supervisor.
Overall plan and expected work effort	Total workload of 810 hours.
Format	
Evaluation and feedback	The thesis supervision is evaluated through an online survey by the IMT department.
Programme	
<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 research-based knowledge of selected subject areas and demonstrate an understanding of and reflection on how one's own thesis research fits into its academic context.</li> <li>• know and understand the academic genre and the academic target group to which the master's thesis is addressed.</li> <li>• use and master scientific theories and methods while working with a defined, professional and relevant research question.</li> <li>• identify scientific research questions.</li> <li>• analyse, categorize, discuss, argue, reflect and evaluate on a scientific basis.</li> <li>• critically address and choose scientific sources, literature, theory and methods.</li> <li>• discuss and participate in academic argumentation.</li> <li>• write in accordance with academic text norms and for an academic target group.</li> <li>• independently initiate, manage and complete a long-term academic research and writing process.</li> <li>• identify and take responsibility for their own professional and written language development and specialization.</li> </ul>
Form of examination	<p>Master thesis written individually or in a group. Permitted group size: 2-4 students.</p> <p>The student(s) can choose whether the assessment should be based on</p>

solely the written product or on both the written product and the oral exam.

The character limits of the master thesis are:

for 1 student: 40,800-192,000 characters, including spaces.

For 2 students: 40,800-192,000 characters, including spaces.

For 3 students: 40,800-204,000 characters, including spaces.

For 4 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.

The master thesis must include a summary. The summary can either be written in English or Danish.

The summary is included in the overall assessment.

Before submitting a master thesis written by a group, that have chosen an assessment solely based on the written product, each member of the group must clearly indicate which part(s) of the thesis they are responsible for.

All group members are responsible for the introduction, conclusion and summary.

The oral exam is individual for students that have written the thesis alone, or students that have requested an individual exam. All other oral master thesis exams are conducted as group exams.

The oral exam, if relevant, will be based on the master thesis. The students begin the exam with a presentation (10 min per student), followed by a dialogue between the student, examiner and external examiner.

There may be posed questions related to the subject area(s) that the master thesis covers.

Time allowed for exam including time used for assessment for:

1 student: 30 minutes.

2 students: 60 minutes.

3 students: 75 minutes.

4 students: 90 minutes.

There will be an individual assessment of each student's performance.

The assessment is an overall assessment of the master thesis and, where relevant, the oral performance.

Writing and spelling skills in the thesis are part of the assessment and will count for 5 percent.

Permitted support and preparation materials at the oral exam: All.

Assessment: 7-point grading scale.

Moderation: External examiner.

Form of Re-examination

Samme som ordinær eksamen / same form as ordinary exam

Type of examination in special cases

Examination and assessment criteria

In the assessment of the examination, emphasis will be placed on the content description and the learning outcomes.

Exam code(s)    Exam code(s) : U60065

Course days:

Hold: 1

## Master Thesis Hand-In (COMP)

time	01-06-2023 10:00 til 01-06-2023 10:00
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forberedelsesnorm	ikke valgt
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forberedelsesnorm D-VIP	ikke valgt
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