Course description
Master's Thesis - 40 ECTS

SDU

Master's Thesis - 40 ECTS

Academic Study Board of the Faculty of Engineering

Teaching language: Danish, English
EKA: T520008102
Censorship: Second examiner: External
Grading: 7-point grading scale
Offered in: Odense
Offered in: Autumn, Spring
Level: Master

Course ID: T520008101
ECTS value: 40
Date of Approval: 31-08-2018
Duration: 2 semesters
Version: Archive

Course ID
T520008101

Course Title
Master's Thesis - 40 ECTS

ECTS value
40

Internal Course Code
SM-SP40

Responsible study board
Academic Study Board of the Faculty of Engineering

Date of Approval
31-08-2018

Course Responsible

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Offered in
Odense

Level
Master

Offered in
Autumn, Spring

Duration
2 semesters

Mandatory prerequisites
The Master's thesis concludes the master programme. To take the examination in this module the first two semesters of the master programme must have been passed. Before entering into an agreement on submission of the thesis (the thesis contract), the student must have obtained at least 60 ECTS during his/her master programme, including all mandatory course subjects, including all mandatory course subjects on the 1st and 2nd semester.

As soon as the Master's thesis contract has been approved, the student will be registered for exam. Deregistration is not possible.

The thesis must be experimental; i.e. it must contain laboratory experiments or generate other types of original, fundamental scientific data.

Learning objectives - Knowledge
The student
- is able to account for relevant engineering skills based on the highest level of international research within the subject area of the programme
- has a good understanding of - and be able to reflect on - relevant knowledge within the subject area of the programme
- is able to identify relevant scientific problems within the subject area of the programme

Learning objectives - Skills
The student
- is able to assess, select and apply scientific methods, tools and competencies within the subject area of the course
- is able to present novel analysis and problem-solving models
- is able to explain and discuss relevant professional and scientific problems
- is able to communicate in writing in a clear and understandable manner

Learning objectives - Competences
The student
- is able to manage work and development situations that are complex and unforeseen and require new solution models
- is able to independently initiate and carry out discipline-specific and crossdisciplinary cooperation and to assume professional responsibility
- is able to independently take responsibility for his/her own professional development and specialization
- is able to disseminate research-based knowledge

Content
The thesis is a working process that documents the student's engineering-specific competencies attained during his/her work with a limited, course-relevant and engineering-specific subject.

The problem can be investigated from a theoretical, experimental or practical (hands-on) point of view. However, please note that a 40 ECTS thesis must include self-generation of data, e.g. in the form of laboratory experiments.

URL for Skemaplan

Odense
Show full time table (start E22)
Show full time table (start F23)

Teaching Method

The Master's thesis contract lays down the start date of the thesis period as well as the submission deadline of the thesis. If the student does not submit the thesis report within the deadline, the deadline will be extended by three months and the topic delimitation extended by an equivalent of three months of work within the original subject area. The submission deadline can be extended another three months subject to the same terms of procedure. Each time a submission deadline is exceeded, it will be registered as a used exam attempt.

The thesis project shall be reported in the form of a comprehensive thesis report providing relevant documentation. The thesis report may contain proposals or drafts for dissemination activities, however, such dissemination, e.g. in the form of an article, cannot by itself serve as a thesis report.

Time of classes:
The thesis is written during the third and fourth semesters.

Number of lessons

hours per semester

Teaching language

Danish, English

Examination regulations

Exam regulations

Name

Exam regulations

Examination is held

By the end of the semester

Tests

Exam

EKA

T520008102

Name

Exam

Description

Grading is based on an overall assessment of:

- The thesis report
- An oral examination

Examination conditions:
In order to sit for the final exam, the student must complete and submit a thesis report.

Form of examination

Master's Thesis with oral defense

Censorship

Second examiner: External

Grading

7-point grading scale

Language

Danish, English

Summary

The thesis project must include an abstract in English. If the report is in English, the abstract can be in Danish. The abstract is included in the assessment.

ECTS value

40

Additional information

Students who fail to pass the examination will have three months to improve the master's thesis (with the topic delimitation extended by an equivalent of three months of work) after which a new examination will be held.

Additional information

Courses offered

Period	Offer type	Profile	Programme	Semester
Spring 2020	Mandatory	Software Engineering 2018-2019	Master of Science in Engineering (Software Engineering) | Odense	
Fall 2020	Mandatory	Software Engineering 2018-2019	Master of Science in Engineering (Software Engineering) | Odense	
Fall 2020	Mandatory	Software Engineering, MSc, 2020	Master of Science in Engineering (Software Engineering) | Odense	

Studieforløb

Profile	Programme	Semester	Period