Course description
Semester Project in Scalable Systems

SDU

Semester Project in Scalable Systems

Academic Study Board of the Faculty of Engineering

Teaching language: English
EKA: T520029102
Censorship: Second examiner: None
Grading: 7-point grading scale
Offered in: Odense
Offered in: Autumn
Level: Master

Course ID: T520029101
ECTS value: 5

Date of Approval: 11-03-2022

Duration: 1 semester

Version: Archive

Course ID
T520029101

Course Title
Semester Project in Scalable Systems

ECTS value
5

Internal Course Code
SM1-SS

Responsible study board
Academic Study Board of the Faculty of Engineering

Date of Approval
11-03-2022

Course Responsible

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Teachers

Name	Email	Department	City
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Programme Secretary

Name	Email	Department	City
Anna Schollain	avs@tek.sdu.dk	TEK Uddannelseskoordinering og -support , Den Tekniske Fakultetsadministration	

Offered in
Odense

Level
Master

Offered in
Autumn

Duration
1 semester

Mandatory prerequisites
Bachelor in software engineering or equivalent.

Learning objectives - Knowledge
- Obtain an understanding of and explain the topics that are associated with the project
- Obtain an understanding of the difference between design engineering projects and open-ended engineering projects with a scientific purpose.

Learning objectives - Skills
- Identify, analyse and make qualified choices for the design of scalable systems given functional and non-functional requirements.
- Implement, test and evaluate scalable systems in regard to functional and non-functional requirements.

Learning objectives - Competences
- Conduct software development within topics that are associated with the project.
- Carry out professional engineering use of software technologies in development of software solutions within the topics that are associated with the project.
- Work structured and scientifically with engineering solutions to open-ended challenges.

Content
The knowledge in topics associated to the semester project is coupled with practice introducing the students to open-ended engineering projects with a focus on scalable systems that naturally accommodate a greater amount of usage.

URL for Skemaplan

Odense
Show full time table

Teaching Method
Project work in groups and supervision

Number of lessons
48 hours per semester

Teaching language

English

Examination regulations

Exam regulations

Name
Exam regulations

Examination is held
End of semester

Tests

Exam

EKA
T520029102

Name
Exam

Description
Written exam consisting of a hand-in with a project report and video demonstration of the product of the project. In the hand-in it has to be clear what is done as a group effort and what is individual efforts. The group effort counts as 60% of the final grade and the individual part 40%.

Form of examination
Home assignment

Censorship
Second examiner: None

Grading
7-point grading scale

Identification
Student Identification Card - Date of birth

Language
Normally, the same as teaching language

ECTS value
5

Additional information
The form of examination in the re-examination is the same as in the ordinary examination

Courses offered

Period	Offer type	Profile	Programme	Semester
Fall 2022	Mandatory	MSc in Software Engineering, 2022 (industrial master)	Industrial Master Software Engineering | Master of Science in Engineering (Software Engineering) | Odense	3
Fall 2022	Mandatory	MSc in Software Engineering, 2021 (industrial master)	Industrial Master Software Engineering | Master of Science in Engineering (Software Engineering) | Odense	3
Fall 2022	Mandatory	MSc in Software Engineering, 2022	Master of Science in Engineering (Software Engineering) | Odense	1

Studieforløb

Profile	Programme	Semester	Period
MSc in Software Engineering, 2022	Master of Science in Engineering (Software Engineering) | Odense	1	E22
MSc in Software Engineering, 2022	Master of Science in Engineering (Software Engineering) | Odense	1	F23
MSc in Software Engineering, 2021 (industrial master)	Industrial Master Software Engineering | Master of Science in Engineering (Software Engineering) | Odense	3	E22, F23
MSc in Software Engineering, 2022 (industrial master)	Industrial Master Software Engineering | Master of Science in Engineering (Software Engineering) | Odense	3	F23
MSc in Software Engineering, 2022 (industrial master)	Industrial Master Software Engineering | Master of Science in Engineering (Software Engineering) | Odense	3	E22