

**SYLLABUS**

# **Diploma Thesis in mobile application development 15 credits W0009E**

**Examensarbete i mobil applikationsutveckling, högskoleexamen**

**Course syllabus admitted: Spring 2015 Sp 3 - Autumn 2015 Sp 2**

**DECISION DATE  
2014-02-14**

# Diploma Thesis in mobile application development 15 credits W0009E

## Examensarbete i mobil applikationsutveckling, högskoleexamen

### First cycle, W0009E

Education level	Grade scale	Subject	Subject group (SCB)
First cycle	U G#	Mobila system	Computer Technology

## Entry requirements

In order to meet the general entry requirements for first cycle studies you must have successfully completed upper secondary education and documented skills in English language and At least 75 credits of required courses where at most 15 credits missing from basic and core courses. Individual examiner decides if student has the depth needed for the thesis proposal.

## Selection

The selection is based on 1-165 credits.

## Examiner

Individual examiner appointed.

## Course Aim

The overall goal of the course is that the student practices, develops and is able to apply theory and methods to solve problems in a scientific manner that are relevant to work as a professional developer within the area mobile application development.

- Formulate a relevant problem for investigation from a chosen subject within the subject area mobile application development.
- Apply knowledge and proficiency that has been acquired during the period of study to an investigation, development or smaller research project in an independent and systematic manner.
- Choose and justify the study methods for an investigation.
- Analyse and defend the problem formulated in a correct manner with respect to engineering.
- Locate and critically review information and summarise this in a manner appropriate to engineering.
- Plan, structure and execute an investigation or development project.
- Judge the relevance of the results obtained.
- Work according to a timetable.
- Express oneself well in writing in a linguistically and scientifically correct manner.
- Create and execute a presentation of the results of the project, defending the conclusions.

## Contents

The content of the degree project is designed in collaboration with the supervisor. The degree project always contains a theoretical foundation in the form of a literature survey that highlights the area of technology and the methodology, summarized in a scientific manner.

## Realization

Each course occasion's language and form is stated and appear on the course page on Luleå University of Technology's website.

The student independently plans and executes the degree project; the supervisor is available for assistance. A timetable for the entire project is included in the degree project, which is continuously reviewed.

## Examination

If there is a decision on special educational support, in accordance with the Guideline Student's rights and obligations at Luleå University of Technology, an adapted or alternative form of examination can be provided.

- Written presentation of individual work

In the report the student shows the ability to:

- Justify the chosen problem of study
- Select and justify the study methods
- Collect information relevant to the problem formulation with an explicit connection to the chosen theory/methods

theory/methods

- Present the information collected in writing in a relevant manner
- Analyse and defend the formulated problem from the chosen theory and methods
- Critically review the relevance of the results obtained from a scientific and engineering point of view
- Express oneself in writing in a correct linguistic and scientific manner.

- Oral presentation of own work

- Public discussion of the work of others

- Attendance at presentations of the degree project work of others.

## Remarks

The department provides active supervision for a period of one term from the start of the project.

The degree project is performed individually; only in exceptional cases may at most two students carry out the degree project together. In cases in of the degree project is carried out by two students, this shall be clearly visible in the scope and depth of the report.

## Literature. Valid from Spring 2015 Sp 3

To be decided at the course start.

## Course offered by

Department of Computer Science, Electrical and Space Engineering

## Items/credits

No items/credits available

## Syllabus established

by Jonny Johansson, HUL SRT 2014-02-14