



Course syllabus

Faculty of Technology
Department of Informatics

1IK428 Utveckling av användargränssnitt för mobila enheter, 7,5
högskolepoäng

User interface development for mobile devices, 7.5 credits

Main field of study

Informatics

Subject Group

Informatics/Computer and Systems Sciences

Level of classification

First Level

Progression

G1F

Date of Ratification

Approved by Faculty of Technology 2020-01-20

The course syllabus is valid from autumn semester 2020

Prerequisites

1ME321 Web Technology 1, 7.5 credits or equivalent.

Objectives

After completing the course, the student will:

- create effective and efficient user interfaces for mobile devices
- develop prototypes for mobile apps using industry standards
- learn some basic development techniques for creating mobile apps from a front-end perspective
- explore various styles and themes of customizations of apps
- to understand the principles of mobile user experience design

Content

This course will introduce the student to current trends and standards to develop and design apps for mobile devices. In this course the student will also learn about various user interface components and layouts. Furthermore, the course covers the user interface controls that are needed for developing interactive graphical user interfaces for mobile devices.

Type of Instruction

Teaching consists of lectures and practicals. Practicals are carried out individually and/or in groups.

Examination

The course is assessed with the grades U, 3, 4 or 5.

The practicals are examined with Pass or Fail (3,5 credits). The course ends with a written report and presentation (4 credits). After passed practicals, the course is given the final grade based on the written report and presentation.

Repeat examination is offered in accordance with Local regulations for courses and examination at the first and second-cycle level at Linnaeus University.

If the university has decided that a student is entitled to special pedagogical support due to a disability, the examiner has the right to give a customised exam or to have the student conduct the exam in an alternative way.

Course Evaluation

During the implementation of the course or in close conjunction with the course, a course evaluation is to be carried out. Results and analysis of the course evaluation are to be promptly presented as feedback to the students who have completed the course. Students who participate during the next course instance receive feedback at the start of the course. The course evaluation is to be carried out anonymously.

Required Reading and Additional Study Material

Jason Morris, Hands-on Android UI Development, Packt Publishing; 1 edition, 2017. ISBN 9781788475051. 348 pages

Compendium and/or articles (100 pages)