

Internship

Programme course

18 credits

Praktik

TDDD62

Valid from: 2018 Spring semester

Determined by

Board of Studies for Computer Science and
Media Technology

Date determined

Main field of study

Information Technology, Computer Science and Engineering

Course level

Second cycle

Advancement level

A1X

Course offered for

- Computer Science and Engineering, M Sc in Engineering
- Information Technology, M Sc in Engineering
- Computer Science and Software Engineering, M Sc in Engineering

Specific information

This course is only for the LiU-students of the double degree program with Harbin Institute of Technology.

Prerequisites

Earlier academic studies relevant for the project corresponding to at least 180 ECTS credits (three years) with at least 40 credit points on advancement level G2/A.

Intended learning outcomes

The goal of the internship project is that the student shall be familiar with the work environment relevant for the educational program and be able to serve as co-workers and / or leader of a group.

The student will also gain practical experience in computer science / information technology or information technology such as development, test, operation and maintenance, and experience of collaboration in the workplace. Furthermore, the internship should increase student's ability to take personal responsibility for their learning process.

After the course the student should:

- be able to describe the requirements of professional employees of modern businesses / organizations
- be able to account for the business conditions in the company / organization.
- be able to account for the multi-faceted role of today's professional engineers.
- be able to use and apply scientific methods in qualitative reporting of aggregated and analyzed experiences.
- be able to identify the skills and knowledge from prior academic training that students apply in practical work.
- be able to make a plan for what skills and knowledge students need to acquire in the continued academic education.

Course content

The internship location is chosen by the student in a field related to software technology. The content of the internship project should be relevant and of technical / scientific nature and pre-defined. To pass the course, students must spend at least a total of 8 weeks continuous full-time at work and then write an internship report for the training plan reported assignments. The supervisor at the workplace should when the project is finished validate presence and active participation by the student in a supervisory report in accordance with established template.

Students learn to use and apply scientific qualitative methods in computer science / information technology in the writing of the final report.

Teaching and working methods

The course is conducted as an individual internship in an external organization. Within the organization, students must participate in a project or task force. The student will find its own specific organization for the internship. Before the course begins, the examiner approve a placement plan formulated in accordance with established template and signed by both the supervisor at the organization and the student. The workplace, where most of the course is located, shall provide a named supervisor for the entire period.

In preparation for the internship the students study the selected reference literature in qualitative research, as discussed at a coaching opportunity at the beginning of the course. Students choose a survey method to be used in conjunction with the proposed internship to develop materials to practice the report, see below. The method and the link to the internship project case is presented in a seminar where the examiner may propose amendments.

The project assignment shall be documented in a written internship report. The content must be easily accessible and the quality of the written request should be good. There should be a background and an issue in a professional context. This discussion should be detailed and show the received insights of the role and the results of the study concluded. The report shall include a good source management, reporting of research methodology, a brief summary of results as well as a frame of reference.

Examination

UPG1 Project assignment and report U, G 18 credits
Grades are given as 'Fail' or 'Pass'.

Grades

Two grade scale, older version, U, G

Department

Institutionen för datavetenskap

Director of Studies or equivalent

Jalal Maleki

Examiner

Vivian Vimarlund

Education components

Preliminary scheduled hours: 0 h
Recommended self-study hours: 480 h

Course literature

Yin, R.K. (2009). Case Study Research: Design and Methods. th edition. Sage Publications, Thosand Oaks, California. ISBN 978-1-4129-6099-1
Mall för praktikplan (tillhandahålls av kursledningen)

Common rules

Course syllabus

A syllabus has been established for each course. The syllabus specifies the aim and contents of the course, and the prior knowledge that a student must have in order to be able to benefit from the course.

Timetabling

Courses are timetabled after a decision has been made for this course concerning its assignment to a timetable module. A central timetable is not drawn up for courses with fewer than five participants. Most project courses do not have a central timetable.

Interrupting a course

The vice-chancellor's decision concerning regulations for registration, deregistration and reporting results (Dnr LiU-2015-01241) states that interruptions in study are to be recorded in Ladok. Thus, all students who do not participate in a course for which they have registered must record the interruption, such that the registration on the course can be removed. Deregistration from a course is carried out using a web-based form: www.lith.liu.se/for-studenter/kurskomplettering?f=sv.

Cancelled courses

Courses with few participants (fewer than 10) may be cancelled or organised in a manner that differs from that stated in the course syllabus. The board of studies is to deliberate and decide whether a course is to be cancelled or changed from the course syllabus.

Regulations relating to examinations and examiners

Details are given in a decision in the university's rule book:
<http://styrdokument.liu.se/Regelsamling/VisaBeslut/622678>.

Forms of examination

Examination

Written and oral examinations are held at least three times a year: once immediately after the end of the course, once in August, and once (usually) in one of the re-examination periods. Examinations held at other times are to follow a decision of the board of studies.

Principles for examination scheduling for courses that follow the study periods:

- courses given in VT1 are examined for the first time in March, with re-examination in June and August
- courses given in VT2 are examined for the first time in May, with re-examination in August and October
- courses given in HT1 are examined for the first time in October, with re-examination in January and August
- courses given in HT2 are examined for the first time in January, with re-examination at Easter and in August.

The examination schedule is based on the structure of timetable modules, but there may be deviations from this, mainly in the case of courses that are studied and examined for several programmes and in lower grades (i.e. 1 and 2).

- Examinations for courses that the board of studies has decided are to be held in alternate years are held only three times during the year in which the course is given.
- Examinations for courses that are cancelled or rescheduled such that they are not given in one or several years are held three times during the year that immediately follows the course, with examination scheduling that corresponds to the scheduling that was in force before the course was cancelled or rescheduled.
- If teaching is no longer given for a course, three examination occurrences are held during the immediately subsequent year, while examinations are at the same time held for any replacement course that is given, or alternatively in association with other re-examination opportunities. Furthermore, an examination is held on one further occasion during the next subsequent year, unless the board of studies determines otherwise.
- If a course is given during several periods of the year (for programmes, or on

different occasions for different programmes) the board or boards of studies determine together the scheduling and frequency of re-examination occasions.

Registration for examination

In order to take an examination, a student must register in advance at the Student Portal during the registration period, which opens 30 days before the date of the examination and closes 10 days before it. Candidates are informed of the location of the examination by email, four days in advance. Students who have not registered for an examination run the risk of being refused admittance to the examination, if space is not available.

Symbols used in the examination registration system:

** denotes that the examination is being given for the penultimate time.

* denotes that the examination is being given for the last time.

Code of conduct for students during examinations

Details are given in a decision in the university's rule book:
<http://styrdokument.liu.se/Regelsamling/VisaBeslut/622682>.

Retakes for higher grade

Students at the Institute of Technology at LiU have the right to retake written examinations and computer-based examinations in an attempt to achieve a higher grade. This is valid for all examination components with code "TEN" and "DAT". The same right may not be exercised for other examination components, unless otherwise specified in the course syllabus.

Retakes of other forms of examination

Regulations concerning retakes of other forms of examination than written examinations and computer-based examinations are given in the LiU regulations for examinations and examiners,
<http://styrdokument.liu.se/Regelsamling/VisaBeslut/622678>.

Plagiarism

For examinations that involve the writing of reports, in cases in which it can be assumed that the student has had access to other sources (such as during project work, writing essays, etc.), the material submitted must be prepared in accordance with principles for acceptable practice when referring to sources (references or quotations for which the source is specified) when the text, images, ideas, data, etc. of other people are used. It is also to be made clear whether the author has reused his or her own text, images, ideas, data, etc. from previous examinations.

A failure to specify such sources may be regarded as attempted deception during examination.

Attempts to cheat

In the event of a suspected attempt by a student to cheat during an examination, or when study performance is to be assessed as specified in Chapter 10 of the Higher Education Ordinance, the examiner is to report this to the disciplinary board of the university. Possible consequences for the student are suspension from study and a formal warning. More information is available at <https://www.student.liu.se/studenttjanster/lagar-regler-rattigheter?l=sv>.

Grades

The grades that are preferably to be used are Fail (U), Pass (3), Pass not without distinction (4) and Pass with distinction (5). Courses under the auspices of the faculty board of the Faculty of Science and Engineering (Institute of Technology) are to be given special attention in this regard.

1. Grades U, 3, 4, 5 are to be awarded for courses that have written examinations.
2. Grades Fail (U) and Pass (G) may be awarded for courses with a large degree of practical components such as laboratory work, project work and group work.

Examination components

1. Grades U, 3, 4, 5 are to be awarded for written examinations (TEN).
2. Grades Fail (U) and Pass (G) are to be used for undergraduate projects and other independent work.
3. Examination components for which the grades Fail (U) and Pass (G) may be awarded are laboratory work (LAB), project work (PRA), preparatory

written examination (KTR), oral examination (MUN), computer-based examination (DAT), home assignment (HEM), and assignment (UPG).

4. Students receive grades either Fail (U) or Pass (G) for other examination components in which the examination criteria are satisfied principally through active attendance such as other examination (ANN), tutorial group (BAS) or examination item (MOM).

The examination results for a student are reported at the relevant department.

Regulations (apply to LiU in its entirety)

The university is a government agency whose operations are regulated by legislation and ordinances, which include the Higher Education Act and the Higher Education Ordinance. In addition to legislation and ordinances, operations are subject to several policy documents. The Linköping University rule book collects currently valid decisions of a regulatory nature taken by the university board, the vice-chancellor and faculty/department boards.

LiU's rule book for education at first-cycle and second-cycle levels is available at http://styrdokument.liu.se/Regelsamling/Innehall/Utbildning_pa_grund-_och_avancerad_niva.