SYSK16, Informatics: Bachelor Degree Project (Thesis), 15 credits

Informatik: Examensarbete (uppsats) för kandidatexamen, 15 högskolepoäng

First Cycle / Grundnivå

Details of approval

The syllabus was approved by The Board of the Department of Informatics on 2017-09-06 to be valid from 2018-01-15, spring semester 2018.

General Information

The course is mandatory on the sixth semester of the BSc programme in Design of Information Systems and can also be taken as a freestanding course.

Language of instruction: Swedish
Required reading in English may be included.

Main field of studies	Depth of study relative to the degree requirements
Information Systems	G2E, First cycle, has at least 60 credits in first-cycle course/s as entry requirements, contains degree project for BA/BSc
Informatics	G2E, First cycle, has at least 60 credits in first-cycle course/s as entry requirements, contains degree project for BA/BSc

Learning outcomes

On completion of the course, the student shall have acquired specialised knowledge of theories and methods within informatics and skills in planning, executing, reporting and defending a research project.

Knowledge and understanding

For a pass on the course, students shall demonstrate knowledge and understanding of

- the theoretical field within informatics to which the selected research problem belongs,
- different research perspectives, methods and technologies and their importance within informatics,
- key perspectives, theories, models and frameworks for the execution of a research project.

Competence and skills

For a pass on the course, students shall demonstrate competence and skills individually or in groups to

- identify and formulate a researchable research problem,
- plan, execute, report and defend a research study,
- assess the need of empirical material to complete a research study,
- pursue theoretically and methodologically supported arguments,
- apply and develop previously acquired subject and method knowledge and skills to execute a research project,
- communicate and argue for the theoretical starting points, research methods, empirical material and findings of the research study in speech and writing.

Judgement and approach

For a pass on the course, students shall demonstrate the ability to

- critically review and evaluate scientific theories and methods in relation to a selected research problem,
- assess and evaluate quality aspects in their own research study,
- assess and evaluate ethical aspects in their own research study.

Course content

The course deals with

- basic research methods in informatics,
- planning and execution of a research study,
- reporting and presenting the execution and results of an individual research study.

Course design

The teaching consists of lectures, supervision and seminars.

The course includes compulsory components, which are stated in the schedule.

Bachelor thesis work is carried out by teams of two students. Students are entitled to thesis supervision during the term the thesis work was commenced. If the thesis is not finalized the term the thesis work was commenced/should have been commenced or the subsequent term, the application for thesis work must be renewed. Bachelor thesis work may be a theoretical-empirical, theoretical, or design science study.

Assessment

The assessment is based on a bachelor's thesis (incl. defence of own thesis and peer review of another bachelor's thesis).

The thesis must be published in LUP student papers.

Regular final seminars for bachelor's thesis are scheduled the term the thesis work was commenced. Two additional seminars take place before the course starts again. Attendance at final seminar is mandatory unless the examiner of the course instructs otherwise.

The thesis is graded by teachers appointed by the examiner of the course. These teachers may not grade theses they have supervised.

Academic misconduct such as cheating, plagiarism, fabrication and falsification is considered a serious offence in higher education (see Chapter 10 of the Higher Education Ordinance). The disciplinary measures that may be taken as a result of such offences are caution or suspension for a limited period of time from the university (and all the faculties of the university).

The examiner, in consultation with Disability Support Services, may deviate from the regular form of examination in order to provide a permanently disabled student with a form of examination equivalent to that of a student without a disability.

Subcourses that are part of this course can be found in an appendix at the end of this document.

Grades

Marking scale: Fail, E, D, C, B, A.

Grade (Definition) Points or percentage out of maximum points. Characteristic.

A (Excellent) 85-100. A distinguished result that is excellent with regard to theoretical depth, practical relevance, analytical ability and independent thought.

B (Very good) 75-84. A very good result with regard to theoretical depth, practical relevance, analytical ability and independent thought.

C (Good) 65-74. The result is of a good standard with regard to theoretical depth, practical relevance, analytical ability and independent thought and lives up to expectations.

D (Satisfactory) 55-64. The result is of a satisfactory standard with regard to theoretical depth, practical relevance, analytical ability and independent thought.

E (Sufficient) 50-54. The result satisfies the minimum requirements with regard to theoretical depth, practical relevance, analytical ability and independent thought, but not more.

F (Fail) 0-49. The result does not meet the minimum requirements with regard to theoretical depth, practical relevance, analytical ability and independent thought.

To pass the course, the students must have been awarded the grade of E or higher.

Grading rules and definitions

Grades are awarded according to a graded scale from A (highest) to F (lowest), with E as the minimum passing grade.

When the exam/assignment is not graded, the grades G (Pass) or F (Fail) will be applied.

Course grades

When calculating course grades, the graded components will be weighted according to the following formula:

The number of credits for the exam is multiplied with the exam score. The total value is then divided by the total number of credits for the exams/assignments included. The resulting average is then rounded off to the nearest whole number. The number indicates the relevant course grade in accordance with the grading definitions above.

For exams/assignments which are graded and scored, the grades A to F will be used in accordance with the grading definitions above. The exam score will be used directly in the calculation.

For exams/assignments which are graded but not scored, the grades A to F will be used and converted as follows: A = 92, B = 80, C = 70, D = 60, E = 52.

Exams/assignments which are not graded but awarded with G (Pass) or F (Fail) will not be included in the calculation of the course grade.

Entry requirements

To be admitted to the course, the student must have passed the general requirements and courses worth 120 credits, including the following completed courses: "Informatics: Introduction to Information Systems, 1-30 cr" and "Information Systems: IS and Business Development, 31-60 cr", or the equivalent. In addition, the student must be admitted to courses worth 15 credits in informatics/information systems at bachelor level, or the equivalent.

Further information

SYSK16 may not be included in a degree together with SYSK02, INFK11 or the equivalent.

A Bachelor's thesis that is started at the Department of Informatics at Lund University, but not completed, can be completed within the framework of thesis teaching and supervision on SYSK16.

It is compulsory to attend the introduction meeting, where a roll call will be taken. Absence without notification means that the admitted student will lose his/her seat on the course.

For transitional provisions with regard to previous courses, please contact the study adviser for an individual assessment.

If the course is discontinued, there may be limited opportunities for re-examination. Please contact the study adviser for information.

Subcourses in SYSK16, Informatics: Bachelor Degree Project (Thesis)

Applies from V18

1701   Bachelor's Thesis, 15,0 hp
       Grading scale: Fail, E, D, C, B, A
       Bachelor's thesis (incl. defence of own thesis and peer review of another
       bachelor's thesis). Group of two students.