School of Economics and Management

SYSK02, Informatics: Applied Project and Bachelor Degree Project, 30 credits

Informatik: Projektarbete och examensarbete kandidatnivå, 30 högskolepoäng

First Cycle / Grundnivå

Details of approval

The syllabus is an old version, approved by The Board of the Department of Informatics on 2013-09-20 and was valid from 2014-01-20 , spring semester 2014.

General Information

The course makes up the sixth semester of the BSc programme in Design of Information Systems.

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
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Learning outcomes

On completion of the course, the student shall have obtained specialised knowledge of and skills in the practical application of IS/ICT design for external problem owners. Furthermore, 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 issue 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
- relevant IS/ICT design processes, models, methods and tools for drawing up IS/ICT design proposals
- how their own IS/ICT design proposals can meet the requirements, wishes and needs of an organisation, activity and individual

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 issue
- 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
- identify problems and areas in which IS/ICT can offer improvements within certain activities
- justify the choice and application of relevant theories, design methods and tools for designing IS/ICT solution proposals for certain activities
- organise the project group and prepare realistic project plans for external development projects
- apply and develop previously acquired knowledge and skills in drawing up their own IS/ICT design proposal
- plan, execute and report the implementation and drawing up of an IS/ICT design proposal for an external problem owner
- establish support for and communicate IS/ICT solution proposals in contacts with an external problem owner
- communicate and argue for the points of departure, design methods and results of their own IS/ICT design proposal, in speech and writing and both internally and externally

Judgement and approach

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

- critically review scientific theories and methods in relation to a selected research issue

- critically review research studies and reports
- justify the choice and application of scientific theories and research methods in relation to a research issue
- reflect on ethical issues of their own research project
- analyse and assess their own IS/ICT design proposals in relation to an external problem owner
- analyse and design measures to improve project work and group processes
- critically review the usefulness and relevance of research studies and other inquiries for drawing up their own IS/ICT design proposals
- critically review scientific theories and research methods in relation to a selected research issue
- independently document, reflect on and evaluate their own learning process and goal attainment

Course content

The course deals with

- basic research methods in informatics
- planning and execution of a research study
- basic methods for IS/ICT design proposals
- planning and execution of a concrete project
- reporting and presenting the execution and results of an IS/ICT proposal and individual research study

Course design

The teaching consists of lectures, lessons and supervision.

The course may include compulsory components. They are stated in the timetable.

The project work is carried out in teams of three to five students. Students are entitled to supervision of the project work during the semester of the start of the project and the following semester (i.e. two semesters). Subsequently, a new application for project work must be submitted.

Paper writing is carried out in teams of two students. Students are entitled to supervision of the paper writing during the semester of the start of the paper and the following semester (i.e. two semesters). Subsequently, a new application for paper writing must be submitted. The paper can take the form of theoretical-empirical study or a design study.

Assessment

The assessment is based on a project report and a Bachelor's degree project.

Assessed components including documentation and written reflections are compiled in the student's learning portfolio. Furthermore, the paper should be published in LUP

student papers.

Re-examination of the project report is offered in close conjunction with the first examination. In addition to the final seminar for the Bachelor's degree project, further final seminars are offered at the end of the following semester.

The grade of the paper is awarded by a paper examiner, who is not identical with the supervisor. .

Cheating such as plagiarism, fabrication and falsification is considered a serious offence in higher education (see Chapter 8 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.

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.
The grades awarded are Fail, E, D, C, B or A.

Grades (A-E) Points or percentage of maximum points. Definition.

A (Excellent) 85-100. An excellent result in terms of theoretical depth, practical relevance, analytical ability and independence.

B (Very good) 75-84. An very good result in terms of theoretical depth, practical relevance, analytical ability and independence.

C (Good) 65-74. An good result in terms of theoretical depth, practical relevance, analytical ability and independence.

D (Satisfactory) 55-64. An satisfactory result in terms of theoretical depth, practical relevance, analytical ability and independence.

E (Acceptable) 50-54. A result that satisfies the minimum requirements with regard to theoretical depth, practical relevance, analytical ability and independence.

Fail (Inadequate/Fail) 0-49. An inadequate result in terms of theoretical depth, practical relevance, analytical ability and independence.

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

Grading rules

Exam assessment

The grades A to E and U are applied to exams which are awarded *different passing grades*.

The grades U and G (Fail and Pass) are applied to exams which are *not awarded different passing grades*.

Course assessment

A grade for the entire course is awarded when all exams included in the course have been passed. The assessment is based on all the exams that have been awarded the grades A to E and U and the numbers assigned to the letters according to the following list: A = 15, B = 14, C = 13, D = 12, E = 11.

The exams with different passing grades are weighted according to the following formula:

The number of credits for the exam is multiplied with the value of the grade according to the list above. The total value is then divided by the total number of credits for the exams included. The resulting average is then rounded off to the nearest whole number and the number indicates the relevant course grade in the list above.

Exams awarded the grades of U and G are not included in the calculation of the course grade.

Entry requirements

To be admitted to the course, students must have passed SYSA11, SYSA12, SYSA13, SYSA14 and an additional 30 credits in informatics/information systems at the Bachelor's level or the equivalent.

Further information

SYSK02 is a programme-specific course and only students on the BSc in Design of Information Systems are admitted.

SYSK02 may not be included in a degree together with SYSK01 or the equivalent.

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 SYSK02, Informatics: Applied Project and Bachelor Degree Project

Applies from V12

1101   Applied Project Report, 14,0 hp
          Grading scale: Fail, Pass
          Group of 3-5 students.
1102   Bachelor Degree Project Essay and Critique of other essay, 15,0 hp
          Grading scale: Fail, E, D, C, B, A
          Group of two students.
1103   Learning Portfolio, 1,0 hp
          Grading scale: Fail, Pass
          Individual assignment.