



Course syllabus

Faculty of Technology
Department of Informatics

1IK025 Digital hållbarhet, 7,5 högskolepoäng
Digital Sustainability, 7.5 credits

Main field of study
Information Systems

Subject Group
Informatics/Computer and Systems Sciences

Level of classification
First Level

Progression
G1F

Date of Ratification
Approved by Faculty of Technology 2013-12-16
The course syllabus is valid from autumn semester 2014

Prerequisites
1IK001 Introduction to Informatics, 7.5 hp or equivalent.

Objectives

After completing the course, students should be able to:

- describe different perspective of sustainability, and to relate these to the design and use of IT-based support for business processes
- account for models and techniques to describe and analyze the effects of digitalization
- describe and analyze business operations from different perspective of sustainability with respect to effects of digitalization

Content

The course aims to provide an understanding of different sustainability perspectives' significance and importance to the design and implementation of IT solutions for businesses, as well as knowledge about characteristics and usability of different models and methods, e.g. life cycle analysis, to describe and analyze the effects of digitalization of business processes and value chains.

Type of Instruction

The course consists of lectures, presentations and assignments. The assignments are conducted on an individual basis or in groups. Participation in exercises, individually or in groups, and seminars are mandatory.

Examination

The course is assessed with the grades Fail (U), Pass (G) or Pass with Distinction

(VG).

Assessment of student performance is made through written test and/or oral examinations and/or presentation of mandatory assignments. The assessment method is decided at the start of the course.

Students who do not pass the regular examination will be offered retrials close to the regular examination.

On request, students may have their credits translated to ECTS-marks. Such a request must be sent to the examiner before the grading process starts.

Course Evaluation

A course evaluation will be carried out and compiled after the course is completed. The compilation will be presented to the current board as well as to the students and filed.

Required Reading and Additional Study Material

Course literature

Sustainability handbook: planning strategically towards sustainability, 1 ed., Karl-Henrik Robèrt et al., Studentlitteratur, 2012