



## 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 2013-12-16  
Revised 2015-06-10 by Faculty of Technology.  
The course syllabus is valid from autumn semester 2015

**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**

During the course or in close connection to the course, a course evaluation is to be carried out. The result and analysis of the course evaluation are to be communicated to the students who have taken the course and to the students who are to participate in the course the next time it is offered. The course evaluation is carried out anonymously. The compiled report will be filed at the Faculty.

### **Required Reading and Additional Study Material**

#### **Main literature**

Hållbar utveckling: Livskvalitet, beteende, teknik, H. Gulliksson och U. Holmgren, Studentlitteratur, 2011. ISBN: 978-91-44-07514-3

#### **Supplementary literature**