



DEPARTMENT OF APPLIED INFORMATION TECHNOLOGY

TIA014 Governance and Control for Digital Capabilities, 15 credits

Styrning för digital förmåga, 15 högskolepoäng

Second Cycle

Confirmation

This course syllabus was confirmed by Department of Applied Information Technology on 2016-04-29 and was last revised on 2020-11-02 to be valid from 2021-01-18, spring semester of 2021.

Field of education: Science 100%

Department: Department of Applied Information Technology

Position in the educational system

The course is offered as a single subject course.

The course can be part of the following programmes: 1) Applied Data Science Master's Programme (N2ADS), 2) Digital Leadership Master's Programme (N2DIG), 3) IT Management, Master's Programme (N2ITM) and 4) Software Engineering and Management Master's Programme (N2SOF)

Main field of studies

Informatics

Specialization

A1N, Second cycle, has only first-cycle course/s as entry requirements

Entry requirements

Bachelor Degree 180 hec or at least seven years documented work experience from IT development and/or business development.

Additionally English proficiency should be equivalent to the level of English 6/English Course B from Swedish Upper Secondary School.

Learning outcomes

On successful completion of the course the student should be able to:

Knowledge and understanding

- describe the underlying theories associated with digital capabilities;
- describe the underlying theories associated with governance and control;
- describe the terminology and contemporary issues within governance and control;

Competence and skills

- based on the course literature, independently argue for and against different types of governance and control configurations for enhanced digital capabilities;
- present and demonstrate the effects of specific governance and control configurations and misdirected governance and control for the business;

Judgement and approach

- evaluate and assess the effects of specific governance and control configurations and misdirected governance and control for the business.

Course content

Digitalization brings changes in pre-requisites for governance and control of both the business as such and the underlying digital infrastructure. In line with businesses becoming increasingly dependent upon digital technology not only to automate administrative support functions but also to transform business models, an integrated governance and control of said technology becomes a necessity for success. Earlier dominating perspectives on governance and control as stabile, bureaucratic, formalized and not subject to changes over time are contrasted with radically different demands through fast-moving technology and dynamic business logics. To secure success there is a need for governance and control for enhanced digital capabilities.

The course offers an introduction to the areas of digital capabilities, digital governance, IT governance and management control and highlights issues on how governance and control is to be designed and configured to enhance digital capabilities. In the course, the students work both individually and in groups with a larger case assignment where concrete issues related to governance and control are evaluated.

Form of teaching

The course will involve a combination of lectures, seminars, workshops and exercises. The students will work in assigned project groups with group based assignments.

Language of instruction: English

Assessment

The course will be assessed through a written individual take-home exam (70%), an individual podcast (20%) and a group-based written reflection (10%) (7,5 hec) and with a group assignment presented in a written report (7,5 hec).

A student who has taken two exams in a course or part of a course without obtaining a pass grade is entitled to the nomination of another examiner. The student needs to contact the department for a new examiner, preferably in writing, and this should be approved by the department unless there are special reasons to the contrary (Chapter 6 Section 22 of the Higher Education Ordinance).

If a student has received a recommendation from the University of Gothenburg for special educational support, where it is compatible with the learning outcomes of the course and provided that no unreasonable resources are required, the examiner may decide to allow the student to sit an adjusted exam or alternative form of assessment.

In the event that a course has ceased or undergone major changes, students are to be guaranteed at least three examination sessions (including the ordinary examination session) over a period of at least one year, but no more than two years, after the course has ceased/been changed. The same applies to placements and professional placements (VFU), although this is restricted to just one additional examination session.

Grades

The grading scale comprises: Pass with Distinction (VG), Pass (G) and Fail (U).

In the first module of the course, an overall assessment is made based on the scoring of each assignment. In order to receive Pass (G) on the whole course, Pass is required for both modules. In order to receive Pass with Distinction (VG) on the whole course, Pass with Distinction is required for the first module (7,5 hec) and at least Pass for the second module (7,5 hec).

Course evaluation

Students are to be given the opportunity to communicate their experiences and views regarding the course in an anonymous course evaluation. As far as possible, the evaluation are to completed electronically. The results of and possible changes to the course will be shared with students who participated in the evaluation and students who are starting the course.

