



## DEPARTMENT OF APPLIED INFORMATION TECHNOLOGY

### **TIG140 Research Frontiers in the Digitalization of Society, 15 credits**

Samhällets digitalisering: Forskningsfronten, 15 högskolepoäng

*First Cycle*

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#### **Confirmation**

This course syllabus was confirmed by Department of Applied Information Technology on 2020-05-06 to be valid from 2020-06-08, spring semester of 2020.

*Field of education:* Science 100%

*Department:* Department of Applied Information Technology

#### **Position in the educational system**

The course is a free standing course in the first cycle.

*Main field of studies*

Informatics

*Specialization*

G1N, First cycle, has only upper-secondary level entry requirements

#### **Entry requirements**

General entrance requirements

#### **Learning outcomes**

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

*Knowledge and understanding*

- describe central and emerging theories associated with the digitalization of society;
- describe current terminology and contemporary issues within the digitalization of society;

*Competence and skills*

- present and discuss the effects of research findings and alternative perspectives on the digitalization of society;

#### *Judgement and approach*

- independently argue for and against different perspectives on the digitalization of society, with clear reference to research literature;
- evaluate and assess the effects of research findings and perspectives on the digitalization of society.

#### **Course content**

The course deals with central and emerging perspectives on the digitalization of society. Examples of perspectives that can be addressed are theories that deal with new rationales for governance, organization, and leadership, or new technologies such as Blockchain, Artificial Intelligence (AI) and Robotic Process Automation (RPA), and their consequences for society, organizations and individuals.

The course is divided into three overall modules of 5 credits each, each part containing recurring elements consisting of literature studies, knowledge assessment, lecture and discussion.

#### **Form of teaching**

Literature studies, self-study, lectures and group discussions. All components of the course are carried out remotely.

*Language of instruction:* English

#### **Assessment**

The students are assessed continuously through quizzes and active participation in group discussions. After each module, an overall assessment is made of whether the student has acquired knowledge, ability and skill in relation to the learning objectives through a compilation of past performance.

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 (G) and Fail (U).

In order to be awarded a Pass for the whole course, a student must get a Pass for all three modules.

### **Course evaluation**

Course evaluation is carried out digitally after the course has been completed. The result of the course evaluation is the basis for continuous quality work. The results of the course evaluation and possible changes to the course will be shared with students who participated in the evaluation and students who are starting the course.

### **Additional information**

The course is given as a distance course, whereby access to a computer with internet access is a prerequisite for participation.