Course document IN5010/9010 | 2022

1. learning outcomes

The learning outcomes for IN5010/9010 are as follows:

- understand the complexity of the relations between technology and society
- discuss social, environmental, and ethical challenges in technology design and use
- present your perspective on the ethical responsibility of the information technology developer/designer/innovator
- engage in critical and reflexive discussions of new and emerging information technologies

2. mandatory assignments

1. attendance 80%
We will keep track of your attendance. If you are ill and you will not be able to attend 80% of the time, please submit a 'legeattest' to the 'studieadmin'. If there is a special (personal/sensitive) circumstance you need to explain, talk to me. Attendance is required during the times mentioned in the schedule and.

2. two presentations
Everyone needs to participate in two group presentations. These presentations take place on **March 21** and March 28. See **presentations.**

3. group project
Every student will be a member of a small project group. The members of a group will work together on the *Zine* project. They will present their zines together on the last day of the course, March 31, in the form of an exhibition in the library. See **project**.

3. exam

Students who have fulfilled the mandatory assignments of the course (see **2. mandatory assignments**) can participate in the course exam, which is a take home exam. It consists of an essay on one of the two themes:

1. Reflect on the ethical challenges (social, environmental, cultural) in your master or PhD project using the course literature

2. How do you understand the relation between technology and society and what is the ethical responsibility of the people (designer/developer/entrepreneur/innovator) who bring new technology into the world?
You can start writing on your exam essay whenever you want, but the deadline is strict!

requirements
You need to actively use the mandatory course literature in the essay. Use **the relevant articles** (at least two) to discuss the theme you have selected. Use at least two relevant resources from the

secondary literature list (see course page; eligible articles are marked with (a)). You can bring in additional resources as long as they help to strengthen your argument.

The essay needs to be min. 3500 words and max. 5000 words, excluding images, references, table of contents, etc. PhD candidates need to write an exam essay of min. 6000 words and max. 9000 words. Please use 1.5 line spacing and page numbers. Save the document as pdf and submit the essay in Inspera.

grading
The essay will be graded on the basis of the quality of the discussion and use of the literature; independent and original work; and critical and reflexive approach. You will receive a document explaining the grading process in more detail.

deadline
The deadline for delivery of the exam essay is (to be discussed). You can of course send it earlier. PhD candidates can submit later if they want.

4. two presentations

Everyone needs to participate in two group presentations:

Technofixes
Technofixes concern the use of technology to fix environmental or societal problems. In your presentation you will look at one particular technofix. The presentation should consist of 6-10 slides + 1 slide with resources and further reading. The presentations will take place on **March 21.**

Ethical challenges of new and emergent technologies
The group zine will be about one technology (you can choose one from a list), exploring its ethical challenges (how it can affect people and planet; benefit certain groups of people or undermine the rights of certain communities; etc.). On the basis of your research for your zine, you also prepare a more 'academic' presentation consisting of 6-10 slides + 1 slide with resources and further reading. The presentations will take place on **March 28**.

5. group project

The group project consists of two parts: an individual assignment and a group assignment. The individual assignment is called **Take back the data!**, a critical perspective on social media, surveillance, big data, AI, automation, data mining, machine learning, etc. You use one (1) A4 paper to create the mini-zine and you can make copies of it for distribution during the exhibition.

The group assignment is about exploring the ethical challenges of a particular new or emergent technology. You use A4 papers folded in half and you can use as many pages as you need. You will work on this project throughout the course. The presentation of both zines will take place on **March 31 in the IFI Library.** This group project is a mandatory assignment for all students. See Project Brief in the Document-folder on the course web page.