Kursnamn Ethics of technology and science
Name of course

Omfattning (högskolepoäng) 2 hp
ECTS credits

Tidsperiod 2017
Course period

Antal platser 30 (Spring 2017), 30+30 (Autumn 2017)
Maximum number of participants

Undervisningsspråk English
Language of instruction

Kursens syfte samt motivering till varför den bör vara fakultetsgemensam (max 150 ord)
Aim of course and motivation as to why it should be considered “multidisciplinary” to the extent that the faculty should allocate extra financing.

Research within technology and science, but also implementations in for example ICT, manufacturing, environment, chemistry, energy and biology, affects individuals, organisations and societies. Progress within technology and science creates new possibilities and gives rise to new ethical issues. How these issues are treated has a decisive effect on the effectiveness, sustainability and usability of the implementations. To not consider ethics might lead to that expensive and necessary implementations are used in a suboptimal way, that people and organisations are affected negatively when the technology is implemented, and that the workplace environment of the users and their quality of life is worsened.

To be able to address ethical aspects that influence the effectiveness of the implementations, it is important to have knowledge and skills to work with ethical issues and tools, already under the phases of research and development. It is as important to be able to use suitable ethical tools during implementation and use phases. The course should be common to the faculty since ethical issues have a similar nature across specific areas of research. However, the differing experiences of participants from different disciplines will contribute to a broad range of examples which enhances learning for all participants.

Kursinnehåll, kursens uppläggning samt examinationsform (max 150 ord)
Contents, study format and form of examination
The course will offer knowledge in the areas of ethical theory, technology ethics and research ethics, especially within the field of technology and science. Moreover, the participants will focus on tools and practical skills to enhance their ability to deal with ethical issues, and stimulate their ethical imagination. The course consists of two lectures and two seminars, individual and group assignments focusing on the ethics of technology and science.

Målgrupp/er (specifiera ämnen/inriktningar) samt rekommenderade förkunskaper
Target group/s (specify, if possible, subject/specialization) and recommended background
PhD students within the faculty. No particular prior knowledge.

Huvudansvarig institution Information technology and Engineering Sciences
Department with main responsibility

Andra inblandade institutioner (specifiera hur).
Other departments involved (specify how).
Kontaktperson/er (namn, e-postadress)
Contact person (name, e-mail address)
Iordanis Kavathatzopoulos, iordanis@it.uu.se
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Anmälan om kursdeltagande till
Application from course participants should be sent to
http://www.teknat.uu.se/education/postgraduate/courses/

Senast
Not later than