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 effectivity 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 one lecture and two seminars, individual and group assignments focusing on the ethics of technology and science.

We have estimated that the total study time is 53 hours (1.5 hp is equivalent to 40 hours). Effective teaching time is 8 hours, which leaves 45 hours of self-study.

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)
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Anmälan om kursdeltagande till
Application from course participants should be sent to
http://www.teknat.uu.se/utbildning/forskarniva/kurser/