



LUND UNIVERSITY
Faculty of Science

SYLLABUS

Date
1 October 2020

Reg. Nr.
U 2020/834

Syllabus for the course Research Ethics, NMN001F *Swedish title: Forskningsetik*

The course syllabus was confirmed by the Faculty board for graduate studies 1 October 2020. The course is in the third cycle and amounts to 3 credits.

The course syllabus is formally approved in Swedish. This is a translation.

Learning outcomes

The course aims to provide a foundation of research integrity and knowledge of research ethics for doctoral students at the Faculty of Science that is relevant during the students' doctoral studies and in subsequent postdoctoral research in academic or other research institutions.

On completion of the course, participants shall be able to:

Knowledge and understanding

- Demonstrate knowledge in ethical principles of research integrity, as agreed on national (Sweden), institutional (Lund University) and local level (Faculty of Science).
- Demonstrate knowledge of laws, regulations and guidelines governing research involving humans and personal data.

Skills and abilities

- Identify ethical issues in the research disciplines represented at the Faculty of Science and its departments, including the specific research conducted by the participating doctoral students.
- Identify ethical challenges for researchers involved in development and implementation of new technologies in society.
- Independently and knowledgeably analyze ethical issues, including the research conducted by the doctoral students.
- Apply laws, regulations and guidelines governing research involving humans and personal data, to research conducted at the Faculty of Science.
- Apply laws, regulations and guidelines concerning research misconduct and good research practice to various kinds of research conducted at Faculty of Science, including the specific research conducted by the doctoral students.

Judgement and approach

- Demonstrate an ability and an inclination to act upon identified potential violations of principles of research integrity in their research environments.
- Demonstrate an ability and an inclination to contribute to the research integrity of their research environment.

Course content

To support the intended learning outcomes the course address basic normative ethics, the history of research ethics, the utility or importance of research, risks and burdens for

research participants and other affected parties, protection of privacy and personal data, informed consent and kinds of research where informed consent may be difficult to obtain, risk-benefit analysis, ethics review, good research practice, research misconduct, publication ethics, open science and the FAIR-principles, conflicts of interest, the researcher as an authority and ethical aspects of external engagement, relevant legislation, issues arising from doing research at a Swedish authority, and responsible research and innovation

Teaching

Teaching consists of lectures, seminars, exercises, project, and self-study literature review. Participation in all course activities is a course requirement, and active participation is required in discussion exercises, and reporting of group work.

Assessment

Assessment is based on written assignments, seminars given by participants, and active participation in all course components.

Grading scale

Possible grades are Pass and Fail. To pass the course, the student must actively attend all course components and pass all seminars and written assignments.

Language of instruction

The course is given in English.

Entry requirements

None. Priority is given to doctoral students within the Faculty of Science, and primarily to those for whom this course is mandatory.

Additional information

Research Ethics is a faculty-wide third-cycle (PhD) course at the Faculty of Science. The course is compulsory for doctoral students admitted from January 1st 2021 at the faculty, as required by Lund University (STYR 2018/1024). Doctoral students enrolled from January 1st 2021 and on have the highest priority.