

EX-600 Theory and Ethics of Science

5 ECTS credits - 1 semester - Autumn - Grimstad

Study programme

PhD programme in Mobile Communication Systems/ICT

Language of instruction

English

Learning outcomes

After completing the course, the candidate has been given:

- an overview and an understanding of empirical and formal science, scientific method and thinking
- an understanding of research ethics and its foundation in general ethics

Content

The course gives an introduction to the theory of science, scientific method, and scientific thinking. It deals with problems of scientific method and the scope and limit of science. It also discusses the foundation of mathematics and logic, and the role of language and mathematics in science. The course gives an introduction to ethics with emphasis on research ethics.

Teaching methods

Lectures and seminars.

Examination

Written examination 3 hours. Pass/Fail.

Faculty

Faculty of Engineering and Science