



FAL3100 Industrial Ecology: Application and Research 3.0 credits

Industriell ekologi: tillämpning och forskning

This is a translation of the Swedish, legally binding, course syllabus.

Establishment

Course syllabus for FAL3100 valid from Autumn 2013

Grading scale

G

Education cycle

Third cycle

Specific prerequisites

Qualified for doctoral studies.

(Basic knowledge of Sustainable Development and/or Industrial Ecology and/or Energy/Environmental Engineering is recommended.)

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

This course is primarily offered to PhD students within Industrial Ecology and aims at providing a broad, rather than in-depth, overview of different applications of Industrial Ecology in problems and challenges that the society is faced with and research. It also aims at enhance skills in communicating within Industrial Ecology and to lead work within the field. After finishing the course, the PhD students should be able to

- Describe and discuss different applications of Industrial Ecology to contemporary challenges of the society;
- Describe and critically discuss the application of Industrial Ecology methods;
- Communicate Industrial Ecology theory in problems and applications to peers and stakeholders;
- Supervise/ lead work in Industrial Ecology.

Course contents

- Overview of applications of Industrial Ecology in problems and challenges that the contemporary society is faced with;
- Overview of research questions and methods within Industrial Ecology, beyond the own research field.
- Communication of Industrial Ecology.
- Project supervision and leading work in Industrial Ecology.

Course literature

Will be announced at the course start.

Examination

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

If the course is discontinued, students may request to be examined during the following two academic years.

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.