



FMG3802 State of the art with- in Sustainable Production De- velopment 7.5 credits

Forskningsfronten inom hållbar produktionsutveckling

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

Establishment

On 2020-12-08, the Dean of the ITM School has decided to establish this official course syllabus to apply from spring semester 2022, registration number: M-2020-2204.

Grading scale

P, F

Education cycle

Third cycle

Specific prerequisites

Admitted to third-cycle education in Production engineering or in Industrial engineering and management.

Language of instruction

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

Intended learning outcomes

On completion of the course, the doctoral student should be able to:

1. Distinguish and show how the own focus area of the doctoral student is related to the general disciplinary research domain of Sustainable development in production and focus areas in this
2. In writing and orally, critically analyse and relate research results, development tracks and concepts relevant for his/her specific focus area based on publications in the area of Sustainable development in production.
3. Prepare, present and explain a research plan for his/her focus area, including a theoretical problem formulation of scientific questions, method choices and ethical issues, both in writing and orally.

Course contents

The major aim with the course is to give doctoral students in the area of Sustainable development in production a basis for the continued thesis work. Through analysing the research area and current research results, a base is created, a research plan that is presented and discussed by researchers and doctoral students, leading to discussions and exchange of ideas among the participants.

Examination

- INL1 - Hand in exercise, 7.5 credits, grading scale: P, F

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.