

## Course Plan – PhD course

### Name

Systems and management II

### Goal

After successful completion of the course the PhD candidate shall be able to:

- Motivate and situate her/his research in relation to theory of science, and different approaches, theories and methodologies related to energy and environmental systems and management studies and inter- and transdisciplinary science.
- Critically reflect on fellow PhD students' assignments and contribute with constructive development suggestions

The aim of this course is that the PhD candidate will further develop her/his ability to use and reflect on the theories and approaches introduced in Systems and Management I, and to situate her/his own research projects in relation to these.

### Content

The course is a continuation of the Systems and Management I. The course is centered on an individual assignment in which the PhD candidate analyse his/her research in relation to the theories and schools addressed in Systems and Management I, such as systems theory, theory of science and inter- and transdisciplinary science. The joint course elements consist of a series of seminars: start-up seminar, half-time and final seminar, and some additional seminars to support the progress. The participants serve as discussants on other participants' reports in connection with both half-time and final seminars. Seniors from both divisions review the final reports

### Prerequisites

Systems and Management I or equivalent

### Target group

Doctoral students within the research subject area Sustainable Systems

### Organisation

In this course, the PhD student develops an individual text within the frames of Systems and Management I that relates his/her own research to theories and approaches that have been addressed in this course. The course report is worked out with support of the main supervisor, and the report plan is communicated to the course examiner. The course examiner is

responsible for following up the progress of individual participants. The individual assignment will be presented to the other course participants and discussed in connection with the half-time and final seminars. Participants serve as opponents on a fellow PhD student's assignment in connection with these seminars..

The course is held in English.

## **Literature**

See Systems and Management I

## **Examination / Examiner**

- A written individual assignment
- Compulsory attendance and active participation in the seminars
- Oral presentation of the written assignment
- Opposition of a fellow PhD student's assignment in connection with both half-time and final seminars

Examiner: Stefan Anderberg

Senior researchers from both the division of Energy systems and the division of Environmental Technology and Management participate in the review the final reports.

## **Credits**

4 ECTS

## **Other information**

The course is provided by the division of Energy systems and Environmental Technology and Management.