Course title

Plant nutrient use efficiency – concepts and approaches (2.5 ECTS)

Prerequisites: Accepted as PhD student within ecology, agricultural sciences or related subject areas.

Objectives, including learning outcomes

This course aims to give each participating PhD student the competence to independently evaluate and apply current concepts and methodologies for the assessment of plant nutrient use efficiency in different agricultural and ecological contexts.

Content

Linking crop nutrient use efficiency to sustainability in agriculture.

Overview of the most frequently applied approaches and conceptions for improving and evaluating nutrient use efficiency across different scales.

Pedagogical form

Lectures and seminars (including group work)

Requirements for examination

Each course participant is expected to read, present and critically discuss at least one relevant research paper within the subject (the relevant papers will be distributed prior to the course start). In addition, students are expected to produce a short report summarizing the main points of the individual papers in the context of the overall course subject. Both the oral presentation and the written report will be used for the final assessment.

Time table

The course consists of three course days with lectures, seminars and presentations, and individual preparations prior to the course days.

Preliminary dates for the course days (the dates may be adjusted according to teacher and PhD student preferences):

18 April 2018
9 May 2018
23 May 2018
Literature (selection)


Additional information

The course language will be English.

Organizer(s): Martin Weih, Dept. of Crop Production Ecology, phone 018-67 25 43

Registration/Application and dead line for application

Please register for the course by sending an email to martin.weih@slu.se

Deadline for registration: 21 March 2018