

P000099, Uppföljning och utvärdering av livsmedelssystemets hållbarhet, 3.0 Hp

Kursplan

Fastställd av: Styrgrupp av SSFEB forskarskola, 2024-05-21

Giltig från och med: 2024H

Utbildningsnivå:

Forskarnivå

Språk:

Svenska

Behörighetskrav:

The course is addressed to PhD students (at SLU and other universities) working in the fields of food systems' modelling, sustainability monitoring or life cycle assessments, or other areas related to sustainable development in the food sector.

Mål:

Upon successful completion of this course, the participants will be able to:

- Describe how food system sustainability can be evaluated and monitored from different perspectives, at different scales and for different purposes.
- Show how the participants' own research relates to selected food system monitoring tools
- Critically discuss the applicability and limitations of environmental indicators currently used for monitoring food system sustainability
- Suggest how to innovate these indicators and modelling tools for better monitoring of food system sustainability

Innehåll:

This course is organised as a hybrid course. The first three days of lectures as well as the final mandatory seminar are given on Ultuna campus. The remaining lectures are given on-line the first week. Before the lectures, the students prepare by reading pre-selected literature. Themes and activities included are:

- Introduction of different perspectives on food system sustainability and the use of sustainability indicators for diets
- Presentation of CIBUSmod, a biophysical agri-food system model for studying scenarios, and CAPRI, an economic model used for modelling environmental impacts
- Input-Output-models as a monitoring tool
- The use of FAOSTAT for monitoring food system sustainability
- An individual written assignment followed by a mutual review
- Final seminar with presentations

The individual project will be written as an essay consisting of two parts. In the first part, the participant will select and describe one food system monitoring tool of relevance for his/her own research and suggest how it could be applied in his/her research context. In the second part, the participant selects one indicator/impact category and present and discuss its relevance, applicability and limitations, and suggest an innovative way of using the indicator. The written individual assignment is peer assessed by two other participants through comments sent in via Canvas. The peer assessment gives the participants a chance to learn from each other's experiences and reflect upon additional perspectives on food system monitoring. The revised final written assignment is then resubmitted to Canvas.

The revised assignment is finally presented orally and discussed in a seminar.

Examinationsformer och fordringar för godkänd kurs:

- An approved written assignment
- Written peer review of two course participants' assignments
- Oral presentation and reflections at the final seminar
- Examinatorn har, om det finns skäl och är möjligt, rätt att ge en kompletteringsuppgift till den student som inte blivit godkänd på en examination.
- Om studenten har ett beslut från SLU om riktat pedagogiskt stöd på grund av funktionsnedsättning, kan examinatorn ge ett anpassat prov eller låta studenten genomföra provet på ett alternativt sätt.

- Om denna kursplan läggs ned, ska SLU besluta om övergångsbestämmelser för examination av studenter, som antagits enligt denna kursplan och ännu inte blivit godkända.
- För examination av självständigt arbete (examensarbete) gäller dessutom att examinatorn kan tillåta studenten att göra kompletteringar efter inlämningsdatum. Mer information finns i utbildningshandboken.

Ansvarig institution/motsvarande:

Institutionen för energi och teknik

Kompletterande uppgifter

Övrig information:

- Rätten att delta i undervisning och/eller handledning gäller endast det kurstillfälle, som studenten blivit antagen till och registrerad på.
- Om det finns särskilda skäl, har studenten rätt att delta i moment som kräver obligatorisk närvaro vid ett senare kurstillfälle. Mer information finns i utbildningshandboken.