Sveriges lantbruksuniversitet
Swedish University of Agricultural Sciences

SLUkurs

Syllabus

PNS0235 Fish and fisheries ecology, 3.0 credits

Syllabus approved

2022-03-08

Subjects

Biology

Education cycle

Third cycle

Grading scale

Pass / Failed
The requirements for attaining different grades are described in the course assessment criteria which are contained in a supplement to the course syllabus. Current information on assessment criteria shall be made available at the start of the course.

Language

English

Prior knowledge

Antagen till forskarutbildning

Objective, including learning outcomes

1. The course will provide advanced knowledge in fish and fisheries ecology, including assessment and management practices of aquatic resources.
2. The course will present recent advances in fish and fisheries ecology with specific

relevance to ecosystem-based fisheries management and other selected research themes.
3. The course provides practice in oral presentation, argumentation and discussion and foster appreciation for diverse views.
4. The course provides practice in putting theory and general concepts into the context of the student's own work and vice versa.
5. The course will offer a network opportunity for Swedish PhD students engaged in topics related to fish and fisheries ecology.

Content

General set-up of course
1. The course starts with a 2-day workshop 10-12 November 2021 led by the course leaders, taking place as a physical meeting at SLU-Aqua (Lysekil), which entails:
a. Introduction to the course
b. Students present their projects
c. Ground rules for seminars set by the students, together with the course leaders.
d. Introduction to research and facilities at SLU Aqua
e. One seminar (detailed description below)
f. Field excursion
g. Networking activities
In this meeting, graduate students from SLU-Aqua that have previously taken the course will be participating in points b and g.
2. Four online seminars, based on 2-4 scientific papers, planned and coordinated by teachers and co-arranged by the students.
a. The students will take turns to be responsible to make a short introduction to the subject to be discussed at the specific seminar, including selecting one of the papers for the seminar. However, the coordination of the seminar should still be the responsibility of the teacher. Which seminar(s) each student is responsible for (can be more than one responsible student per seminar) will be organized via email together with the course leader, before the starting date of the course.
b. Each student should for every seminar prepare at least two questions to bring up in the discussions of the group.
c. Each discussion seminar should end with:
* students briefly accounting for an interesting idea presented in the literature or during the discussion,
* students reflecting on how theories and concepts discussed during the seminar may be of relevance for his/hers doctoral projects and
* opportunity for everyone to give feedback on the discussion.

Requirements for examination

Examination will be based on:
1. Active participation in the discussions, preparation of questions, presentation of ideas, introduction of the subject and paper for at least one seminar, and the provision of feedback during discussions. In the case that a student cannot attend a seminar, he/she will need to hand in a summary (1 page) of the literature for that seminar, including a written version of points in 2c, above.
2. The student must participate in the workshop and at least 3 (of the in total 4) seminars (and hand in written reports for the seminar which he/she could not attend) to pass.
3. Grades: Pass/ Not pass (G/U)

Additional information

This course is developed for PhD students interested in fish and fisheries ecology. It is based on a series of seminars covering a broad range of research topics and activities of relevance in the field. The course is running 10 November- 17 December 2021, and includes a two-day workshop and 4 online seminars. The workshop, seminars, literature and preparation renders 3.0 credits (ECTS), which is 2 weeks full time studies. An important part of the course is that the topics discussed during the course has a clear link to the students' PhD projects.

Responsible department

Department of Aquatic Resources