



Mall för kursplan/Template for course syllabus

Kurs på forskarnivå/Third-cycle (doctoral) course
Vetenskapsområdet för medicin och farmaci/
Disciplinary Domain of Medicine and Pharmacy

Mall fastställd av KUF/template approved by KUF 2022-12-13

The syllabus must be written in both Swedish and English, no headings may be deleted and all must be filled in. The syllabus will then be formally approved by the Research Training Committee (KUF), after which it will be the basis for the information in the course database and for reporting in LADOK.

Course code:	FMF0016
Course title:	Comparative Reproductive Endocrinology
Credits:	
Level:	Third-cycle (doctoral) education
Course coordinator:	Susanne Lager
Department responsible:	Department of Women's and Children's Health
Language of instruction:	English
Research track:	Reproduction and Development
Description of course content:	The subjects covered will be reproductive endocrinology in various species, both sexes, different developmental stages, and gestation. Comparative aspects of reproductive endocrinology in humans and animals are an important part of the course.

The course gives 1.5 ECTS and corresponds to 5 working days. In addition to the 4 days of lectures, workshops, and group discussions, the participants shall use 1 day to construct a fictive research project in groups and present the project to the course.

Workshops:

- Hormone analysis, benefits and pitfalls with different methods
- Comparative aspects of the female reproductive cyclicality, what similarities and difference are there?

Types of instruction: The course will include interactive lectures, workshops, and group discussions.

Intended learning outcomes: The aim of the course is to enhance the knowledge and understanding of reproductive endocrinology in vertebrate animals and humans.

After completion of the course, the PhD-student should be able to:

Knowledge and understanding

- Explain basic control of reproductive endocrinology
- Describe basic endocrinology in female and male reproduction



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- Describe different types of methods for hormone analyses including advantages and disadvantages

Skills and capacities

- Apply comparative aspects of reproductive endocrinology when planning and analyzing projects
- Plan a project within reproductive endocrinology

Evaluative capacity and approach

- Choose appropriate research methodologies and species for research projects within reproductive endocrinology
- Critically evaluate and analyze other PhD-students research project presentations

Examiner:

Susanne Lager

Compulsory components:

Planning and presentation of a fictive project.

Assessment format:

Participants will work in groups to construct and orally present a fictive research project related to reproductive endocrinology for evaluation by senior researchers and other course participants. The research project must combine different research methodologies and comparative aspects. Successful completion of the course also requires active contribution where the participant ask questions and critically review other group presentations. Each individual student is evaluated based on their part of the oral presentation and critical questions and reflections of other groups presentations. All students must participate in at least 80 % of all interactive lectures, workshops and group presentations.

Reading list:

Current scientific publications.

Admission requirements:

Admission to third-cycle education in the Disciplinary Domain of Medicine and Pharmacy

Admitted to a third cycle program in medicine, veterinary medicine, biology, food science, nutrition, nursing, or related subjects, or to a specialist training program (e.g. resident) or equivalent within the same subject.

Maximum participants:

25

Selection:

Priority will be given to PhD-students within reproductive biology at Uppsala University and Swedish University of Agricultural Sciences.

Other information:

This course is organized by The Centre for Reproductive Biology in Uppsala (CRU), together with the department of Women's and Children's Health, Uppsala University.



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Contact:

Susanne Lager, susanne.lager@uu.se

Approved, date and number:

[here KUF states the date when the syllabus was approved and reg. number]