



GÖTEBORGS UNIVERSITET

Fish and Fisheries Evolutionary Ecology, 4 credits

Course period: 29 th September – 1 st October 2015 Workshop location: Sven Lovén Centre, Kristineberg, Fiskebäckskil	Last day for application: 29 th of May 2015
Course leader/Address for applications: Jörgen Johnsson/jorgen.johnsson@bioenv.gu.se	
Course description (Advertisement for Ph.D. students): <i>Fish and Fisheries Evolutionary Ecology</i> <i>PhD-student course HT 2015</i> <i>Department of Biological and Environmental Sciences (BioEnv), UGOT</i> COURSE LEADERS AND EXAMINERS Jörgen Johnsson , BioEnv, UGOT http://bioenv.gu.se/personal/johnsson_jorgen AND LOTTA KVARNEMO , BioEnv, UGOT HTTP://BIOENV.GU.SE/ENGLISH/STAFF/KVARNEMO_LOTTA TEACHERS Ian Fleming , Memorial University, Canada http://www.mun.ca/osc/ifleming/ Ola Svensson , BioEnv, UGOT http://bioenv.gu.se/personal/Svensson_Ola Carl André , Department of Marine Sciences, UGOT http://bioenv.gu.se/english/staff/carl-andre AIMS <ul style="list-style-type: none">• To provide participating students with broad insights and updated knowledge in the research field of Fish and Fisheries Evolutionary Ecology.• To provide insights into how basic theories and methods in the field can be applied for sustainable management and conservation of fish and fisheries resources• To stimulate student contacts and interactions with international researchers in the field.	



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LITERATURE

A selection of reviews and papers covering the main topics of the course will be distributed to the course participants after registration.

BRIEF COURSE DESCRIPTION

The course is given between the 29th of September and 1st of October 2015 as a three-day workshop at Kristineberg, the Sven Lovén Centre for Marine Sciences, beautifully situated at the west coast of Sweden.

<http://www.loven.gu.se/stationer/kristineberg/>. In preparation for the workshop the student is expected to read the course literature and write critical research essays (2-3 A4 pages) on three freely chosen papers from this literature. In addition, at the workshop the students (1) give 15-min presentations on their research (2) provide constructive feedback on talks by fellow students, (3) listen to plenary talks given by the teachers, and (4) participate in course topic seminars led by the teachers. Full participating in the course is rewarded with **4 HP** (credits).

APPLICATION AND FURTHER INFORMATION

The deadline for application is **29th of May 2015**. Applications should be emailed to Jörgen Johnsson, jorgen.johnsson@bioenv.gu.se. In the email, applicants should provide a brief description of their main interest in fish evolutionary ecology research. The number of course participants is limited to 25 on a first come first served basis. The course is free of charge, but the students have to pay for their travel and living expenses at Sven Lovén Centre Kristineberg. For further information, please contact Jörgen Johnsson (email above).

We look forward to receiving your application!

Responsible department and other participating departments/organisations:

Department of Biological and Environmental Sciences

Teachers:

See above

Examiner: See above



GÖTEBORGS UNIVERSITET
Department of Biological and Environmental Sciences

Fish and Fisheries Evolutionary Ecology, 4 credits

Third cycle education

1. Confirmation

The syllabus was confirmed by the Head of the Department of Biological and Environmental Sciences, Ingela Dahllöf 2015-05-12”

The course plan is valid from 2015-05-12.

Disciplinary domain: Science

Department in charge: Department of Biological and Environmental Science

Main field of study: Fish evolutionary ecology

2. Position in the educational system

Elective course; third-cycle education.

3. Entry requirements

The course is open to PhD-students

4. Course content

AIMS OF THE COURSE

- To provide participating students with broad insights and updated knowledge in the research field of Fish and Fisheries Evolutionary Ecology.
- To provide insights into how basic theories and methods in the field can be applied for sustainable management and conservation of fish and fisheries resources
- To stimulate student contacts and interactions with researchers in the field.

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BRIEF COURSE DESCRIPTION



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5. Outcomes

After completion of the course the Ph.D. student is expected to have ...

1. Knowledge and understanding

-improved understanding of central methods and theories in the field of fish and fisheries evolutionary ecology and evolution, including the following topics:
- extended knowledge of speciation; sexual selection and parental care; behavioural variation; life history variation; population structure and genetics; local adaptation; conservation and management; releases and escapes

2. Skills and abilities

- improved skills for oral presentation of research
- improved abilities in scientific writing/critical evaluation of research papers
- experience in providing constructive criticism and feedback on research of colleagues (fellow students)

3. Judgement and approach

- training in critical evaluation of empirical science and theory, including constructive discussion of written and oral presentation of science

6. Required reading

- A selection of scientific papers in the research field

7. Assessment

To pass the course the following is required:

- Completion of three essays (2-3 pages) on the course literature to be examined by the teachers
- Preparation and completion of one oral research presentation (15 min) at the course workshop



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- Active participation in the course seminars during the workshop

8. Grading scale

The grading scale comprises Fail (U), Pass (G)

9. Course evaluation

Course evaluation is carried out together with the Ph.D. students at the end of the course, and is followed by an individual, anonymous survey. The results and possible changes in the course will be shared with the students who participated in the evaluation and to those who are beginning the course.

10. Language of instruction

The language of instruction is English.



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Naturvetenskapliga fakulteten
Institutionen för

Namn på kursen, xx hp

Forskarnivå

1. Fastställande

Kursplanen är fastställd av prefekt NN 201x-xx-xx.

Kursplanen gäller från 201x-xx-xx.

Ansvarig institution:

Ämnesområde: Naturvetenskap

Inriktning:

2. Inplacering

Kursen är en valbar forskarutbildningskurs vid Göteborgs universitet.

3. Förkunskapskrav

Antagen till utbildning på forskarnivå.

Ska ha

4. Innehåll

Kursen består av ...

5. Mål

Efter avslutad kurs förväntas den forskarstuderande kunna:

Kunskap och förståelse:

-
- ...

Färdighet och förmåga:

-
- ...

Värderingsförmåga och förhållningssätt:

-



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• ...

6. Kurslitteratur

Se separat litteraturlista.

7. Former för bedömning

Kursen examineras genom ...

Den forskarstuderande äger rätt till byte av examinator efter att han underkänts två gånger på samma examination, om det är praktiskt möjligt. En sådan begäran ställs till institutionen och skall vara skriftlig.

8. Betyg

Betygsskalan omfattar betygsgraderna Underkänd (U), Godkänd (G).

9. Kursvärdering

Kursvärdering genomförs tillsammans med studenterna i samband med kursavslutning samt genom genomförande av en anonym enkät. En sammanställning av den muntliga och skriftliga utvärderingen görs och den slutliga kursvärderingen, som förutom studenternas synpunkter även inkluderar lärares erfarenheter, sammanställs i en kursrapport. Slutsatserna för kursrapporten skall vara vägledande för planering av kommande kurser.

10. Undervisningsspråk

Undervisningsspråk är svenska och/eller engelska.