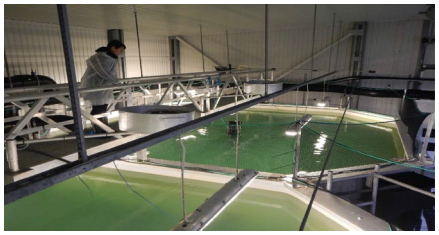
UNIVERSITY OF GOTHENBURG

SWEMARC
SWEDISH MARICULTURE RESEARCH CENTER


PHD COURSE:
TRANSDISCIPLINARY APPROACHES TO SUSTAINABLE MARINE AQUACULTURE (4 ECTS)

Course dates: 10-14 Feb, 2020 for the on-site part and
10 Feb – 20 March for the entire course

Locations: Tjärnö Marine Laboratory (10-12 Feb) & Kristineberg Marine Research Station (12-14 Feb), Sweden

The PhD course includes pre-booked housing and meals at two marine research stations as well as study visits to aquaculture sites. The students will need to cover their own travel costs as well as accommodation and meals (at subsidised rates).

Submit an online application: https://sunet.artologik.net/gu/Survey/6582
Also send a short motivation letter and a brief CV to: info@swemarc.gu.se
Deadline for registration: **10 January, 2020**

Course description

Aquaculture holds tremendous promises to alleviate the global increased demand for food. The rapid growth of the aquaculture sector has, however, also lead to concerns for environmental impacts such as environmental and biological pollution, and the use of wild fish for fishmeal and fish oil production. A comprehensive planning for sustainable seafood production do not only include technical and biological concerns but must involve interactions between the aquaculture industry, researchers, authorities and the public at several levels.

This PhD course aims at presenting and discussing trans- and interdisciplinary methodologies to study the world's aquaculture ecosystems and their possibilities to develop. The students will be introduced to "The Triple Helix model",

a useful approach for integrating academic, public and industry partners. The course will cover new and developing aquaculture production systems, with focus on responsible and sustainable ocean food production.

The course is aimed at PhD students with an interest in interdisciplinary approaches to the development of sustainable food production from the sea. The course will include lectures; preparatory literature study; student oral presentations; intensive group studies in collaborative team projects; and study visits to aquaculture sites and will be taught by Swedish and international lecturers and experts from the industry.

The course constitutes two parts: 1) one intensive week held at Tjärnö Marine Laboratory (10-12 Feb) and Kristineberg Marine Research Station (12-14 Feb), which are both located on the Swedish West Coast. More information about the research stations is available at **Tjärnö** and **Kristineberg.** 2) one internet based part (4 weeks) during which groups of 4 students work together on one aquaculture organism and system to describe the whole value chain "from farm to fork".

Max 20 PhD students will be accepted.

For enquiries about the course, please contact the course organiser and administrative support:
carl.johan.skogh@hdk.gu.se
info@swemarc.gu.se

Responsible department and other participating departments/organisations:
Swedish Mariculture Research Center, Center for Sea and Society at University of Gothenburg, Departments of Biological and Environmental Sciences, Marine Sciences, Academy of Design and Crafts, School of Business, Economics and Law at University of Gothenburg and UNE North at University of New England, Portland, Maine, USA

Carl-Johan Skogh

David Langlet

Lena Mossberg

Snuttan Sundell