



Draft:

Program description

## International Fisheries and Aquaculture Governance

120 ECTS

Campus Tromsø

Based on *Forskrift om studier og eksamener ved Universitetet i Tromsø – Norges arktiske universitet* of 01.08.2020.

The program description has been approved by the board of Faculty of Biosciences, Fisheries and Economics [dd.mm.yyyy]



Study programme name	International Fisheries and Aquaculture Governance
Degree obtained	International Master of science in marine fisheries and aquaculture governance
Target group	The programme is designed for students with a Bachelor's degree in the field of fisheries and aquaculture or work experience within fisheries and aquaculture in combination with a Bachelor's degree relevant to fisheries and aquaculture governance.
Admission requirements, required prerequisite, recommended prerequisite knowledge	Admission to the Master's programme in International Fisheries and Aquaculture Governance requires an interdisciplinary Bachelor's degree (180 ECTS) within fisheries, aquaculture or marine governance. A disciplinary Bachelor's degree in biology, economics or social sciences also qualifies to the programme, provided that at least 60 ECTS are dedicated to marine fisheries and aquaculture issues. An interdisciplinary Bachelor's degree also qualifies, provided that at least 30 ECTS are dedicated to topics in marine fisheries and aquaculture. Extensive work experience within marine fisheries and aquaculture can compensate for a lack of fisheries and aquaculture focus in educational background.
Certificate of good conduct	Not required.
Suitability assessment	Not required.
The study programme's Learning Outcome	<p>A graduate from the IFAG program will have attained the following learning outcomes:</p> <p><b>Knowledge</b></p> <ul style="list-style-type: none"> <li>• has advanced knowledge within fisheries and aquaculture science on sustainable utilization of marine resources and seafood production, and specialized knowledge within the area of marine governance</li> <li>• has thorough knowledge of the scholarly theories and methods within fisheries and aquaculture science</li> <li>• can apply knowledge to new areas within fisheries and aquaculture governance</li> <li>• can analyze relevant issues and challenges on the basis of the history, traditions, distinctive character and place in society of fisheries and aquaculture science</li> </ul> <p><b>Skills</b></p> <ul style="list-style-type: none"> <li>• can analyze and deal critically with various sources of information and use them to structure and formulate scholarly arguments</li> <li>• can analyze existing theories, methods and interpretations in the field and work independently on practical and theoretical problems</li> <li>• can use relevant methods for research and development work in an independent manner</li> </ul>

	<ul style="list-style-type: none"> <li>• can carry out an independent, limited research or development project under supervision and in accordance with applicable norms for research ethics</li> </ul> <p><b>General competence</b></p> <ul style="list-style-type: none"> <li>• can analyze relevant academic, professional and research ethical problems</li> <li>• can apply his/her knowledge and skills in new areas in order to carry out advanced assignments and projects</li> <li>• can communicate extensive independent work and masters language and terminology within fisheries and aquaculture science</li> <li>• can communicate about academic issues, analyses and conclusions in the field, both with specialists and the general public</li> <li>• can contribute to new thinking and innovation processes</li> </ul>
Academic content and description of the study programme	<p>The Master's programme in International Fisheries and Aquaculture Governance (IFAG) has an extent of 120 ECTS distributed among four semesters. The programme is full-time at the Tromsø campus of UiT.</p> <p>The programme gives comprehensive, interdisciplinary insights into the possibilities and challenges within fisheries and aquaculture science and governance. The programme covers theoretical knowledge, skills and general competence relevant for achieving deeper insight in environmental, social and economic aspects of sustainable utilization of marine resources and seafood production. UiT emphasizes student-interactive learning and a range of pedagogical practices including group seminars, interactive lectures, games and research cruises. As a full-time programme, it is expected that students organize their own self-studies and display initiative and intellectual curiosity in the learning process.</p> <p>The master's thesis, consisting of 30 (60) ECTS, is an essential part of the programme. Students will develop a project description for their thesis under supervision. By facilitating reflection and using case studies from various parts of the world, the programme will develop the students' understanding governance of fisheries and aquaculture internationally.</p> <p>As a basis for their master thesis work, students will complete nine courses over a period of 1.5 years (total of 90 ECTS).</p> <p>Four out of the nine courses are elective. Elective courses can be chosen from a list of recommended courses, depending on student interest and relevance for intended thesis topic.</p> <p>For students choosing a 60 ECT master thesis, the third semester will be dedicated to thesis work and FSK-3005 will not be required.</p>

Table: programme structure

<b>INTERNATIONAL FISHERIES AND AQUACULTURE GOVERNANCE (Master - 2 years)</b>			
<b>Sem</b>	<b>Emne</b>	<b>Emne</b>	<b>Emne</b>
<b>1</b>	<b>BIO-3556</b> Fisheries biology and harvest technology	<b>FSK-3014</b> Project organization and collaboration	<b>SVF-3554</b> Marine governance and development
<b>2</b>	<b>FSK-3006</b> Model theory and data processing methods	<b>Elective course</b>	<b>Elective course</b>
<b>3</b>	<b>FSK-3005</b> Fisheries research: data collection and research design	<b>Elective course</b>	<b>Elective course</b>
<b>4</b>	<b>FSK-3910</b> Master's thesis in International Fisheries and aquaculture governance		

Recommended electives in the spring semester:

- BIO-3004 Ecosystem-based management
- SOK-3555 Fisheries Economics
- FSK-3XXX Harvest Technology
- FSK-3XXX Aquatic Molecular Ecology
- BIO-3011 Advances in Aquaculture
- FSK-3003 International law and Food Security

Recommended electives in the autumn semester:

- BIO-3516 Food web and fisheries
- FSK-3012 Geographical Information Systems and Marine Resource Management
- SOK-3554 Resource Economics and Project Evaluation Methods (høst)
- BIO-2508 Aquaculture I
- FSK-3555 Marine planning

Learning activities	The schedules for learning activities for courses are found on <a href="http://timeplan.uit.no/">http://timeplan.uit.no/</a>
Coursework requirements and assessment	Details about coursework requirements and course assessment (exams) can be found in the course description of each individual course. You can look up course descriptions from the <a href="#">UiT Course Catalogue</a> .
The study programme's relevance	The degree opens the doors to a variety of national and international positions in fisheries and aquaculture administration, NGOs, international agencies, business and industry, as well as in research and teaching institutions.
Work scope	This programme is designed to be taken full-time, meaning to achieve the learning objectives in this programme, it is expected to work ca. 40 hours each week with the studies, including lectures, seminars and self-study.
For master's theses/independent work in master's degrees	<p>Master's Thesis (30 ECTS) is written in the 4<sup>th</sup> and final semester of the programme.. A prerequisite for taking this final exam, is having passed the five mandatory and four elective courses (90 ECTS) in the IFAG programme.</p> <p>A typical thesis will be a desk-top assignment consisting of e.g. a literature survey or review, a policy document, a problem-oriented model based on secondary data, or any other theme requiring a limited amount of field or experimental work.</p> <p>By completing a master's thesis, students will gain experience in research and project work. Students will also acquire a deeper understanding of a particular field of interest within the subject area, as well as developing the skills required to review a topic critically and with a satisfactory level of theory and methodology.</p> <p>In addition, students will gain skills in the organization and carrying out of a substantial piece of research, learn to pose relevant questions and use appropriate methodology, as well as obtaining competency in project work and problem solving. Writing skills will also be significantly developed throughout the process.</p> <p>A supervisor will be assigned once a thesis topic is selected. Supervision will be given individually. Students have the right to supervision for one semester.</p>
Language of instruction and examination	English.
Internationalisation	The IFAG-programme has an explicitly international profile to offer groundbreaking competence in the governance of marine resources to students from all parts of the world.
Student exchange	For studentene på programmet vil det være mulig å søke om utveksling ved et internasjonalt vertsuniversitet i andre semester. Et utenlandsopphold kan gi

	verdifull tilleggskompetanse i form av faglige, språklige og kulturelle opplevelser.
Supervised professional training	
Administrative responsibility and academic responsibility	The Norwegian College of Fishery Science (NFH) at the Faculty of biosciences, Fisheries and Economics (BFE) is responsible for the administration of the program. The Study Program Leader for International Fisheries and Aquaculture Governance is responsible for the academic component of the program.
Quality assurance	Quality assurance and development of the program is conducted in accordance with <i>UiTs Kvalitetssystem for utdanning</i> (UiT's Quality System for Education) as implemented at NFH by the department leadership and program council. NFH continually evaluates the courses at the department in cooperation with course lecturers and students. The program undergoes an annual internal evaluation.
Other regulations	Forskrift om studier og eksamener ved Universitetet i Tromsø – Norges arktiske universitet: <a href="https://lovdata.no/dokument/SF/forskrift/2020-06-26-1617">https://lovdata.no/dokument/SF/forskrift/2020-06-26-1617</a>

