



**UiT** The Arctic University of Norway

## Program description

# Experience-based Master's degree programme Ocean Leadership

Tromsø

The program description has been approved by the board of Faculty of biosciences, fisheries and economics on 10<sup>th</sup> september 2020



Study programme name	Bokmål: Erfaringsbasert mastergradsprogram i 'Ocean Leadership' Nynorsk: Erfaringsbasert mastergradsprogram i 'Ocean Leadership' Engelsk: Experience-based master's degree programme in Ocean leadership
Degree obtained	Master's degree  Master's degree in Ocean leadership
Target group	<p>The program will respond to an increasing demand for studies targeting aspects of oceans and their governance, supplementing existing UiT programs in fisheries and aquaculture and in ocean law. This program will target a different group of students who are already well into their careers and be organized as a continuing education program over three years.</p> <p>By focusing oceans and leadership the program represents a timely and highly relevant addition to the UiT teaching portfolio. It will recruit candidates first nationally and then also internationally with different disciplinary and professional backgrounds, thereby also creating a valuable alumni network of interest to the university as well as its students.</p> <p>The students will be recruited from the executive levels of industry, government and civil society organizations concerned with the oceans. In this way, the program will have an immediate impact on ocean leadership, while also provide an international experience-based knowledge base for UiT.</p>
Admission requirements, required prerequisite, recommended prerequisite knowledge	<p>The target group of the program is people in leadership positions in government agencies, business, and civil society engaged in marine or maritime affairs. At least 2 years of leadership experience is desirable, and at least 5 years of work practice following graduation.</p> <p>In addition to relevant work experience, admission to the program is based on BA/BSc level of university education, preferably within one of the disciplines of the programme, such as marine biology, oceanography, digital technologies, international law, and political science.</p>
Certificate of good conduct	Not relevant
Suitability assessment	Not relevant
The study programme's Learning Outcome	<p><b>Knowledge:</b></p> <ul style="list-style-type: none"> <li>has advanced knowledge within the academic field of marine ecosystems, ICT and climate science, and specialized insight in a limited area within the field of ocean leadership.</li> </ul>

- has thorough knowledge of theories and methods in the field of ocean leadership
- can apply knowledge in fisheries science, ICT, economics, and governance studies to ocean leadership.
- can analyze academic problems in ocean leadership on the basis of the of the academic fields of the programme, such as marine biology, oceanography, digital technologies, international law, and political science.

**Skills (21<sup>st</sup> century skills)**

- can analyze and deal critically with different sources of information and use them to structure and formulate scholarly arguments.
- can analyze existing theories, and interpretations of the goals of the programme, and work independently on practical and theoretical problems.
- can use relevant methods within leadership, communication and collaboration for research and scholarly work in an independent manner.
- can carry out an independent, limited research or development project under supervision and in accordance with applicable norms for research ethics.
- can develop the cooperation skills to work in interdisciplinary projects and to work in team.

**General competence:**

- can analyze relevant academic, professional and research ethical problems
- can apply the knowledge and skills within problem-based learning in new areas in order to carry out advanced assignments and projects.
- can communicate extensive independent work and command language and terminology of the academic field of ocean leadership.
- can communicate about academic issues, analyses and conclusions in the field of problem-based learning regarding ocean challenges, eg. digital solutions
- can communicate about academic issues, analyses and conclusions in the field of problem-based learning regarding ocean challenges, eg. circular economy
- can communicate about academic issues, analyses and conclusions in the field of problem-based learning regarding ocean challenges, eg. ocean futures
- can contribute to new thinking and innovation processes.

Academic content and description of the study programme	<p>The oceans are at the forefront of the international agenda. The increasing pressures from climate change, pollution, resource extraction, etc. and the need to address multiple uses and concerns to ensure sustainability brings a strong demand for continued education in oceans leadership.</p> <p>This program will provide insights from leading edge marine science and technology, tailored to the needs of government agencies with marine responsibilities, civil society and ocean businesses.</p> <p>By focusing oceans and leadership the program represents a timely and highly relevant addition to the UiT teaching portfolio. It will recruit candidates first nationally and then also internationally with different disciplinary and professional backgrounds, thereby also creating a valuable alumni network of interest to the university as well as its students.</p> <p>The program will respond to an increasing demand for studies targeting aspects of oceans and their governance, supplementing existing UiT programs in fisheries and aquaculture, technology and in ocean law. This program will target a different group of students who are already well into their careers and be organized as a continuing education program</p> <p>The program will enable students to grow their leadership skills and capacities by deepening understanding of major ocean challenges and providing tools to address them in decision-making settings. The list of potential professions and areas of work where the program can bring added value is therefore long and not possible to define in disciplinary or vocational terms. Leadership and decision-making roles in public administration, business, and civil society will all benefit from the knowledge, skills and competence acquired in the program.</p>																				
Table: programme structure	<table><tr><td>Autum</td><td>SVF-3401</td><td>Climate change and biodiversity</td><td>15 ects</td></tr><tr><td>Spring</td><td>SVF-3402</td><td>Sustainable production</td><td>15 ects</td></tr><tr><td>Autumn</td><td>SVF-3403</td><td>Ocean services</td><td>15 ects</td></tr><tr><td>Spring</td><td>SVF-3404</td><td>Co-existence and integration</td><td>15 ects</td></tr><tr><td>Autumn/spring</td><td>SVF-3409</td><td>Master’s thesis in ocean leadership</td><td>30 ects</td></tr></table>	Autum	SVF-3401	Climate change and biodiversity	15 ects	Spring	SVF-3402	Sustainable production	15 ects	Autumn	SVF-3403	Ocean services	15 ects	Spring	SVF-3404	Co-existence and integration	15 ects	Autumn/spring	SVF-3409	Master’s thesis in ocean leadership	30 ects
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Learning activities, examination and assessment	<p>The objective of the program is to strengthen strategic competences in identifying and developing holistic, integrated solutions for the oceans. Students will engage in problem-based</p>																				

	<p>learning, acquiring skills for dealing with future ocean challenges. The focus of the program is the potential of the digital revolution in governance, leadership, economics and science.</p> <p>1.2 The program</p> <p>The combined pressures from climate change, pollution, utilization of marine resources and other uses of ocean space challenge the carrying capacity of the oceans and coastal areas. While problem complexes vary from region to region, there are commonalities in the need for addressing the challenges in a holistic and integrated manner to ensure future sustainability and achieving the sustainable development goals (SDGs).</p> <p>The sustainable use of the oceans requires integrated management and industrial solutions that transcend scientific disciplines, economic sectors, and levels of governance. Knowledge, skills and competences from a number of areas have to be brought together in a systematic way to address the challenges. The digital transformation brings new tools for more holistic approaches to the oceans and their management and use. Expertise in designing and implementing integrated ocean solutions is scarce and capacity building in this respect is critical to address new and emerging challenges.</p> <p>This calls for a multidisciplinary and visionary educational program that provides students with both the understanding of current and future states of the oceans, as well as the tools to address their management. Also, students from business, public administration and civil society bring different perspectives on these issues to the program.</p> <p>The program will run over three years, with the first two years addressing four major ocean challenges: Climate and Biodiversity, Sustainable Production, Ocean Services, and Co-existence and Integration. The students will engage actively in learning processes, thereby acquiring the knowledge, skills, and competences defined by the program.</p> <p>The Knowledge dimension will provide understanding of marine ecosystems and how they are affected by climate change and other pressures, knowledge of ocean governance systems, the ocean economy, and how these themes needs to be addressed in an integrated manner. The Skills dimension will develop the students' ability to use digital tools in decision-making addressing integrated oceans management at various levels of governance in different political and cultural contexts. And the Competence dimension is geared at executive positions in organizations dealing with oceans affairs. An important learning outcome is how to cooperate and build</p>
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	solutions with fellow students with different basic understandings and experiences.					
Table: Summary of coursework requirements and assessment	Example:					
	Subject	Coursework requirements	Assessment	Term	Assessment scale	ECTS
	SVF-3401	3 3-day sessions, self-study, remote learning activities, and work with the employer.	Written report on work on climate change and biodiversity	1. term	A-F	15
	SVF-3402	3 3-day sessions, self-study, remote learning activities, and work with the employer.	Podcast/video	2. term	Passed/not passed	15
	SVF-3403	3 3-day sessions, self-study, remote learning activities, and work with the employer.	Evaluation conference, individual presentation	3. term	A-F	15
	SVF-3404	3 3-day sessions, self-study, remote learning activities, and work with the employer.	Conference, individual presentation	4. term	Passed/not passed	15
	SVF-3409	Master thesis as individual scientific work, written under supervision	Presentation and oral exam	5./6. term	A-F	30

The study programme's relevance	<p>The oceans are at the forefront of the international agenda. The increasing pressures from climate change, pollution, resource extraction, etc. and the need to address multiple uses and concerns to ensure sustainability brings a strong demand for continued education in oceans leadership. Hence, there is a growing potential for recruiting new students from government agencies, civil society organizations, and business to a program addressing leadership challenges in ocean stewardship. This program will provide insights from leading edge marine science and technology, tailored to the needs of government agencies with marine responsibilities and ocean businesses.</p> <p>By focusing oceans and leadership the program represents a timely and highly relevant addition to the UiT teaching portfolio. It will recruit candidates first nationally and then also internationally with different disciplinary and professional backgrounds, thereby also creating a valuable alumni network of interest to the university as well as its students.</p> <p>The program will respond to an increasing demand for studies targeting aspects of oceans and their governance, supplementing existing UiT programs in fisheries and aquaculture and in ocean law. This program will target a different group of students who are already well into their careers and be organized as a continuing education program over three years.</p> <p>In order to facilitate participation by students who are working full time, the program is organized in a number of 3-day sessions, self-study, remote learning activities, and work with the employer.</p>
Work scope	<p>The program will respond to an increasing demand for studies targeting aspects of oceans and their governance, supplementing existing UiT programs in fisheries and aquaculture and in ocean law. This program will target a different group of students who are already well into their careers and be organized as a continuing education program over three years.</p> <p>The first cohorts of students will be recruited from the executive levels of industry, government and civil society organizations concerned with the oceans. In this way, the program will have an immediate impact on ocean leadership, while also provide an international experience-based knowledge base for UiT.</p>
For master's theses/independent work in master's degrees	<p>Only students on the Master's degree programme in ocean leadership are eligible for this course. It is not available to any other category of students as a singular or elective course. 30 ECTS.</p> <p>The master thesis is an independent scientific work, under the guidance by one or several supervisors. The thesis is written within one of the following programme areas:</p> <ul style="list-style-type: none"> <li>• Climate change and biodiversity</li> <li>• Sustainable production</li> <li>• Ocean services</li> <li>• Co-existence and integration</li> </ul>

	<p>The dissertation can by agreement be written individually or in groups of up to three students.</p> <p>Examination consist of an oral presentation and an oral exam.</p> <p>Letter grade, A-E, F</p>
Language of instruction and examination	English
Internationalisation	Not relevant
Student exchange	Not relevant
Supervised professional training	Not relevant
Administrative responsibility and academic responsibility	<p>The program will be governed by an inter-faculty programme board with representatives from the Faculty of biology, fisheries and economics, The Faculty of science and technology, and the Faculty of law. It will be administrated by the Norwegian college of fisheries science at the Faculty of biology, fisheries and economics, and cooperate closely with the Faculty of science and technology and the Faculty of law in its implementation.</p>
Quality assurance	<p>The proposed program is placed at the Norwegian College of fishery science (NFH) as the responsible department. An inter-faculty program board will be established with representatives from the NFH, the Faculty of science and technology, and the Faculty of law.</p> <p>The program board takes care of all the institutionally established routines for professional development, evaluation and follow-up of the program and the students' learning environment. For an experience-based master's degree program such as this, contact with the recruitment base for students and the acquisition field for the completed candidates is important. It is therefore considered to establish a permanent 'professional council' with external representation, with a special responsibility to ensure the relevance of the program offer.</p> <p>The program board consisting of representatives from the three faculties involved in the program will be responsible for the academic level, internal context and academic progression. The program will follow the University's quality assurance system, and that the Academic Council / reference group will contribute to relevance and connection to society.</p>
Other regulations	



