

Course description, learning outcomes and assessment

All teachers have to make course description, learning outcomes and assessment for their course. Please go to the website and look at the accepted course descriptions and make your own based on them: http://www.hsvest.is/masters_program/course_descriptions/

To do learning outcomes and course description please read the text below and fill out the table with the Bologna criteria's and make a bulleted text with the learning outcomes. An example is on the last page bellow.

Master's Degree (level 4).

The Master's degree is a one and a half to two year study program providing 90-120 credits at cycle 2, level 4. Full workload in one year normally corresponds to 60 credits. Admission requirements are final examination from level 2 or equivalent. First class grade is usually required. Higher education institutions and departments can decide on further admission requirements for studies at level 4.

Master's degree provides access to doctorate studies at cycle 3. Higher education institutions can demand a minimum final grade for admission. The scope of research and/or final project shall cover at least 30 credits.

On completion of a Master's degree, the following criteria shall be fulfilled, in addition to the criteria fulfilled at former level(s):

Knowledge and understanding:

Students **have acquired systematic understanding of the most recent** knowledge available within the relevant field of study/-profession. In addition to the knowledge criteria for first cycle, students at second cycle shall **have deepened or widened** the knowledge base obtained at former levels. Students **can use their knowledge and understanding in a professional manner** and have the ability to reason and substantiate solutions to problems within the relevant field of study/profession.

Type of knowledge:

Students **possess significant** understanding of problems and subjects, based on the most recent information and research in the relevant field of study. Students have **acquired knowledge** by attending courses and/or carrying out research in an area of expertise.

Practical skills:

Students **can make decisions in an independent, professional way** and sustain them on the basis of a field of study/profession. Students have the ability and skills **to evaluate, analyse and gather scientific data**. Students **can develop projects and put them in context** by applying methods based on relevant studies, theories and/or experiments. Students **can understand and tackle complex subjects** in a professional context.

Theoretical skills:

Students **can make autonomous assessments, when different methods of analysis and complex theoretical issues are appropriate.** Students **can demonstrate increased and deeper understanding, and more extensive perspective** of their area of expertise than in studies at first cycle. Students **can utilise their knowledge, understanding and problem solving skills in new and unfamiliar situations** in a broad or **interdisciplinary context** connected with the relevant field of study. Students are **capable of integrating knowledge**, tackling complex subjects and formulating opinions based on limited information. Students are **familiar with research methods in their field of study and comprehend research and research outcomes.** Students can **apply the research process in an effective way and carry out smaller research projects.**

Communication skills and information literacy:

Students **can initiate projects** in a field of study, **manage those projects and take responsibility** for the work of individuals and groups. Students **can communicate, clearly and unambiguously**, complex theoretical subjects and/or theoretically supported conclusions to specialist and non-specialist audiences, individually or in cooperation with others. Students **possess skills and knowledge to analyse and communicate statistical data.** Students have **adopted necessary skills to use techniques and software** which is useful for the relevant profession/field of study. Students **are aware of ethics of science.**

Learning skills:

Students **have developed the necessary learning skills and independent work methods to be able to continue to further study** at cycle 3 which is largely based on autonomy and independence.

The course fulfills the following Bologna criteria of National Qualification Framework for Iceland (Mastersdegree 2. cycle, level 4). Please cross the appropriate box, depending on how the course fullfills each criteria; 0: does not apply to this course, 1: applies a little, 2: applies to this course

Teacher:	0	1	2
1. Knowledge and understanding:			
Student has aquired systematic understanding of the most recent knowledge available within field of study.			
Student has deepened or widened the knowledge base obtained at former levels.			
Student can use knowledge and understanding in a professional manner.			
2. Type of knowledge:			
Student possesses significant understanding of problems and subjects, based on most recent information and research in relevant field of study.			

Student has acquired knowledge by attending courses and/or carrying out research in area of expertise.			
3. Practical skills:			
Student can make decisions in an independent, professional way.			
Student has the ability and skills to evaluate, analyse and gather scientific data.			
Student can develop projects and put them in context by applying methods based on relevant studies, theories and/or experiments.			
Student can understand and tackle complex subjects in professional context.			
4. Theoretical skills:			
Student can make autonomous assessments, when different methods of analysis and complex theoretical issues are appropriate.			
Student can demonstrate increased and deeper understanding, and more extensive perspective of their area of expertise than in first cycle.			
Student can utilise their knowledge, understanding and problem solving skills in new and unfamiliar situations in a broad or interdisciplinary context connected with relevant field of study.			
Student is capable of integrating knowledge, tackling complex subjects, and formulating opinions based on limited information.			
Student is familiar with research methods in the field of study and comprehends research and research outcomes.			
Student can apply the research process in an effective way and carry out smaller research projects.			
5. Communication skills and information literacy:			
Student can initiate projects in field of study, manage those projects and take responsibility for the work of individuals and groups.			
Student can communicate, clearly and unambiguously, complex theoretical subjects.			
Student possesses skills and knowledge to analyse and communicate statistical data			
Student has adopted necessary skills to use techniques and software relevant in field of study.			
Student is aware of ethics of science.			
6. Learning skills:			
Student has developed the necessary learning skills and independent work methods to be able to continue to further studies at doctorate degree.			

Example:

01H. Integrated coastal and marine management

6 ECTS, Core course

Description: Introduction to the concepts, principles, approaches, and issues associated with sustainable management of coastal zones and oceans resources worldwide. The course will illustrate the complexity of economic, social and natural system interactions in coastal and marine environment. It gives an overview of different management strategies such as ecosystem based management and community based management as well as the meaning of integration in the governing of natural resources. Success and failure of integrated coastal and ocean management will be discussed as well as integrated coastal zone management (ICZM) in the European Union. Different coastal and marine policies and plans in the arctic areas will be introduced in the field of fisheries, energy development, marine pollution, tourism development and nature conservation. Students will participate in a 3 day field trip where divergent issues from the course are assessed and discussed from different perspectives.

Learning outcomes:

- Students will gain a systematic understanding based on the most recent knowledge of the complex environment of marine and coastal zones, in the field of natural science, governance and management.
- Students will be able to integrate different aspects of coastal zones and scientific methods to assess threats, trends and issues.
- Students can assess which aspects are important for sustainable use of coastal and ocean resources and appropriate management strategies.
- After this course students will be able to assess problems and come forward with solutions with the governing of coastal zone in the field of small scale case studies.

Assessment: Two small papers, individual and group. Case study/paper