

# Department of Environmental Health

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The mission of the Department of Environmental Health is to sustain excellence in teaching, research and community service relevant to environmental issues and their impact on human health.

The department offers a graduate program leading to the MS degree in Environmental Sciences (Major: Environmental Health). For details regarding the MS degree, refer to the Admissions section of this catalogue and the section of the Interfaculty Graduate Environmental Sciences Program (pp. 37–43, 436).

In view of the increasing interest in development and its impact on the human environment, a variety of courses offered by this department are made available to students in other fields.

Graduates of the Environmental Health program may occupy senior or intermediate posts in:

- Government agencies such as the Ministry of Health, Ministry of the Environment, municipalities, or health centers
- The private sector, which offers a variety of job opportunities in industry, research institutions, universities, schools, and private business
- International agencies

## **ENHL 300 Introduction to Environmental Health 2.0; 2 cr.**

A course that introduces students to the physical life support system and interactions with the socio-economic context. Emphasis is placed on assessing, preventing, and controlling environmental hazards affecting human health and ecological wellbeing. The role of local and global regulatory systems in impacting change and sustaining a healthy environment is highlighted. Enabling communities through this process of sustainable development is critically assessed.

## **ENHL 302 Principles of Environmental Assessment 2.0; 2 cr.**

A course that provides a critical understanding of the nature and extent of ecosystem degradation resulting from developmental projects. This course introduces ecological and socio-economic methodologies for environmental impact-assessment of projects of public health importance.

## **ENHL 303 Pollution of Marine Environment 2.0; 2 cr.**

A course that outlines the marine environment, focusing on sources and types of pollutants, environmental degradation, and its impact. Emphasis is placed on marine pollution management. International legislation for the conservation of the marine environment is introduced.



**ENSC 642**

This course provides an overview of the most common international standards for environmental management systems, primarily the International Standards Organization (ISO) harmonized management systems, and its implications for different firms. It provides students with the skills to design, implement and assess such management systems. Though the first part of the course is mainly lecture based, student participation in the form of questions and discussion is always welcomed and encouraged. Critical thinking will be promoted throughout the course. Students will be expected to prepare a technical report on a firm or industry of their choice and to communicate project findings to their colleagues through verbal presentation. Emphasis is placed on solving environmental problems using an integrated approach in order to achieve an optimized management performance.