



LUND UNIVERSITY
Faculty of Medicine

SYLLABUS

Diary number

M2011/1107

Approved by the Committee for Biomedical,
Medical and Public Health Education
(NBMFU), 2011-06-22
Valid for Autumn 2011

Master's Programme in Public Health

MPHN13 Occupational and Environmental Health

7.5 credits

Level A

General Information

Main Field of Study

Public Health

Subject

Occupational and environmental health

Type of Course and its Place in the Education System

Elective course in the Master's Programme in Public Health

Language of Instruction

English

Goals

Knowledge and Understanding

On completion of the course, the student must be able to:

- explain basic concepts within the field of occupational and environmental health, such as sources of exposure, external and internal dosage, critical organ, critical effect, sensitivity, and vulnerable groups
- describe principles for the risk assessment of chemical substances in occupational and living environments
- describe the consequences of being exposed to substances that are particularly significant to public health for human beings and the external environment
- describe basic principles for primary prevention in occupational and living environments
- describe regulations and the establishment of guiding values for exposure in living environments and hygienic limitations in occupational environments



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Skills and Abilities

On completion of the course, the student must be able to:

- apply established connections between exposure and response for the purpose of risk assessment in a defined population
- use principles of risk communication for the purpose of spreading information to important interested parties
- discuss important principles of risk management
- reflect on and discuss questions that are particularly applicable to precarious work contracts and dangerous occupational environments

Judgement and Approach

On completion of the course, the student must be able to:

- identify ethical problems within the field of occupational and environmental medicine and discuss these from the point of ethical principles and guidelines, particularly considering gender and socioeconomic justice/injustice
- identify areas within the field of occupational and environmental health where low-cost interventions may considerably improve public health

Course Content

The course offers an overview of the field of occupational and environmental health, the burden of illness that can be ascribed to such exposures, as well as basic principles for risk assessment, risk management and risk communication.

The course aims to provide a deeper understanding of a selection of chemical substances that have particular significance for public health, regarding the exposure from primary production, usage and end use/waste.

The course gives an introduction to occupational organisational questions, focussing on unsafe and dangerous work.

Teaching and Examination

1. The teaching consists of lectures, seminars and group work. Part of the teaching takes place via an online learning platform.



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2. The examination consists of a written assignment and a written individual exam.

Examination credits:

Written individual exam, 5 credits

Written assignment, 2.5 credits

Marks

Pass and Fail are the marks used.

Access Requirements

A Bachelor's degree (180 credits) or equivalent and proficiency in English equivalent to English B.

Literature List

Available as a separate appendix.