



**Karolinska
Institutet**

DEPARTMENT OF PUBLIC HEALTH SCIENCES

CURRICULUM

FOR

MASTER COURSE IN SAFETY PROMOTION

2006/2007

Course code:

Institution responsible

Karolinska Institutet, Department of Public Health Sciences, Division of Social Medicine, Stockholm, Sweden.

Name of course

Master Course in Safety Promotion.

Designation of degree

Master of Safety Promotion.

Principal subject

Not one of the main subjects offered by Karolinska Insitutet.

Level

Not specific

Number of credits

40, or 60 according to the European Credit Transfer System (ECTS).

Decision

The curriculum was approved by the Swedish Agency for Education on 23 October 2002.

Revisions dated 19 April 2004 and 8 March 2005.

Syllabus valid from:

Autumn 2004.

Courses

Karolinska Insitutet's own courses, and also externally commissioned courses.

Course-entry requirement

120 Swedish credits, or their foreign equivalent.

Aim of course

Promotion of knowledge and capacities in injury epidemiology and prevention so as independently to be able to plan, implement and evaluate actions taken within the framework of the “Safe Community” movement.

Content and structure of the course

Stage 1: Introduction to Public Health Sciences, 5 credits

This stage is common to all courses with the same breadth of subjects. During the first week, the professor responsible provides an introduction to the theory and practice of safety promotion, including what is required to write a dissertation in the subject. Thereafter, everyone studies scientific theory, public-health trends from an historic and international perspective, disease patterns, and risk factors. One section is concerned with fundamental ethical principles, in particular with regard to approval of any particular study. Training in searching the literature and analysis of scientific articles is also included.

Examination: PBL in group.

Literature

Svanström L. Folkhälsovetenskap, Lund, 2002.

Stage 2: Injury epidemiology and surveillance, 5 credits

The injury panorama, historically and internationally. Epidemiological design and methodology. Methods for data collection and analysis. Various risk-analytic models (such as MTOs). Risk measures, data quality, and trend analysis. Social inequalities and injuries. Migration and the injury panorama. Gender and injury patterns. Risk factors at micro and macro level. Review of analytic methods for determining socioeconomic differences with regard to injuries between risk groups. The injury atlas as an epidemiologic tool in safety promotion.

Examination: Individual assessment.

Stage 3:

Safety Promotion and Injury Prevention Intervention strategies, 5 credits

Community intervention – theory and practice. Organization analysis. Cross-sectoral planning. Planning models for targeting different risk groups. Choice of design, including active and passive strategies, target-group analysis, cross-sectoral collaboration and implementation.

Safety promotion in practice – a case study of Nacka “Safe Community”.

Examination: PBL in group.

Stage 4: Evidence-based safety promotion, 5 credits

Evidence-based measures. Tools for the scientific analysis of evaluated interventions.

Interpretation and analysis problems. Analysis of articles.

Examination: Internet-based individual, and PBL in group.

Stage 5: Evaluation – Design and Methods, 5 credits

Evaluation planning. Different kinds of evaluation models and analytic methods.

Measurement problems and data collection. Process analysis – quantitative and qualitative approaches. Problems of interpretation and validity. Program evaluation and analysis of case studies. Trend analysis. Health-economic appraisal. Theories and concepts. Review of various health-economic appraisal methods. Computation exercises based on case studies derived from the “Safe Community” movement.

Examination: Internet-based individual, and PBL in group.

Stage 6: Theory of Science and Methods, 5 credits

Theories and methods. Planning of dissertation, research plan, design, analytic methods, and writing rules.

Examination: Approved research plan.

Stage 7: Degree project (thesis work), 10 credits

Planning, research plan, analysis of data, interpretation of results, preparation of dissertation and defence of its findings in a public seminar.

Course work

Lectures, group work, computation exercise, data analysis, PBL, and seminars.

Compulsory participation

Attendance of PBL, group-computation exercises, and scrutiny of one's own dissertation.

Examination

A "Pass" requires an approved result at all stages. Examination takes the form of individual tests, outcome of group projects, participation in seminars, and individual essays.

Grades

Fail/Pass

Course evaluation

Karolinska Institute's guidelines and tools for evaluation are employed.

Literature

Haglund B, Svanström L. Evidence-based safety promotion and injury prevention, Stockholm, 1996.

Welander G, Ekman R, Svanström L. Safety promotion – an introduction, Stockholm, 2001.
Laflamme L, Svanström L, Schelp L. (Eds). Safety promotion research. Stockholm, 1998.

Cho JP, Svanström L (Eds). Safety promotion – two decades of experiences. Suwon, Korea, 2001.

Injury A Leading Cause of the Global Burden of Disease 2000, WHO, Geneva, 2000.
<http://whqlibdoc.who.int/publications/2002/9241562323.pdf>

The Injury Chartbook – A graphical overview of the global burden of injuries, WHO, Geneva 2002. <http://whqlibdoc.who.int/publications/924156220X.pdf>

Y Holder, M Peden, E Krug, G Gururaj, O Kobusingye
Injury Surveillance Guidelines, WHO Geneva 2001.
<http://whqlibdoc.who.int/publications/2001/9241591331.pdf>

E Krug, L Dahlberg, J Mercey, A Zwi, R Lozano
World report on violence and health
WHO Geneva 2002.
http://www.who.int/violence_injury_prevention/violence/world_report/en/

H Waters, A Hyder, Y Rajkotia, S Basu, JA Rehwinkel, A Butchart
The economic dimension of interpersonal violence
WHO Geneva 2004.
http://www.who.int/violence_injury_prevention/publications/violence/economic_dimensions/en/

Handbook for the documentation of interpersonal violence prevention programmes
WHO Geneva 2004
<http://whqlibdoc.who.int/publications/2004/9241546395.pdf>

M Peden, R Scurfield, D Sleet, D Mohan, A Hyder, E Jarawan, C Mathers
World report on road traffic injury prevention
WHO Geneva 2004.
http://www.who.int/world-health-day/2004/infomaterials/world_report/en/

Duncan Chappell and Vittorio Di Martino
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