

MASTERS'S DEGREE PROGRAMME IN HEALTH SCIENCES (INTERNATIONAL HEALTH)

The education aims at the academic degree Master of Health Sciences (International health). The duration of the Program is two (1+1) academic years, from September 2007 to May 2009, with an emphasis on theoretical studies in the first year. The courses will be offered once during the program period. The extent of the Program is 120 ECTS. The major subject of the program is international health. The teaching language is English.

The aim of the program is to familiarize the students with the multidisciplinary field of global health. The courses cover the fields of global health, child health, nutrition, reproductive health, non-communicable and communicable diseases, epidemiology, biostatistics, health care in exceptional situations, health program management and health systems.

The Master's degree Program in Health Sciences (International Health) aims to enable participants to work professionally for better health and development in organizations, administrative institutions and research at international, national, district, and community levels. A completed Master's degree also gives eligibility for scientific postgraduate studies in the field of global health.

A maximum of ten (10) students will be chosen to the program. Applicants who have a Bachelor's degree or at minimum 180 ECTS university studies in Medical Sciences or Health Sciences or in related fields (e.g. Public Health, Nursing Sciences, Health Economics, Population Sciences, Nutrition, Health Education, Physiotherapy), or in other applicable field (e.g. Anthropology, Epidemiology, Psychology, Sociology) including 30 ECTS (half a year) studies in Health Sciences may apply. Also applicants who have completed other highly relevant studies, such as a Professional Development Diploma in the field of Health Sciences, and have work experience may apply.

The content of the program is:

- Global health modules (50 ECTS credits)
- Research methodology modules (14 ECTS credits)
- Master's thesis and related modules (52 ECTS credits)
- Elective modules (4 ECTS credits)

The program observes the standing regulations of the University of Tampere. Additional information is available from the responsible institution Department of International Health, Medical School, University of Tampere.

Curriculum Autumn term 2007 (period I) – Spring term 2008 (period IV) 120 ECTS

The Medical School reserves the right to make changes and updates.

Global health modules (50 ECTS credits)

Orientation to Master's studies at University of Tampere, Medical School (4 credits)

Health and illness in a global context (6 credits)

Humanitarian crisis and health (6 credits)

Child health and nutrition (6 credits)

Reproductive health and gender issues from a global perspective (6 credits)

Human mobility and health (6 credits)

National health systems and international health organizations (6 credits)

Project planning and management (4 credits)

Leadership in global health (2 credits)

Global health theme seminars (4 credits)

Research methodology modules (14 ECTS credits)

Introduction to public health research methods and methodology (2 credits)

Introduction to biostatistics (2 credits)

Basic epidemiology (4 credits)

Data management and presentation (2 credits)

Statistical computing with SPSS (2 credits)

ABC in scientific writing (2 credits)

Master's Thesis and related modules (52 ECTS credits)

Master's thesis seminars (6 credits)

Literature review on the methodology of master's thesis (6 credits)

Master's thesis on a global health subject (40 credits)

Elective modules (4 ECTS credits)

Perspectives in public health (3 credits)

Finnish language studies (2 credits)

Qualitative research methods (4 credits)

History of health and disease (3 credits)

Logistic regression (2 credits)

Travel medicine (2 credits)

Literature review on a selected global health subject (4 credits)

The language of the Master's thesis is English. Students who have received their school education in Finnish are required to take the maturity exam in Finnish. The other students in the Programme will take the maturity test in English.

1 Global health modules (50 ECTS credits)

1.1. Orientation to Master's studies at the UTA Medical School (MIH G01)

Credits 4 ECTS

Objectives To give the students an introduction to the aims and content of the Master's program, staff and facilities, as well as the University of Tampere

Content

- University introduction
- Introduction to MIH-program, staff and facilities
- Introduction to PBL (problem based learning)
- Use of library and information seeking
- Personal study plan

Modes of Study Participation in teaching

Evaluation Participation and PBL-exercises are graded pass/fail

Organization Responsible Department of International Health, University of Tampere Medical School

Person in Charge Professor Per Ashorn, Piia Rontu

Language English

Teaching methods Group sessions and site visits

Time Autumn 2007, Period I, August-September

Web page <https://moodle.uta.fi>

1.2. Health and illness in a global context (MIH-G02)

Credits 6 ECTS

Objectives To provide the historic, economic and cultural context to international health and health policy development, describe how health can be measured in different settings, describe the role of different health determinants and major communicable and non-communicable diseases and describe briefly how health care services are organized in different countries.

Content

- Global and age-specific distribution of health and health determinants
- Millennium Development Goals and other international health policies
- Burden of globally most important communicable and non-communicable diseases
- Role of preventive and curative health interventions, basics of organizing health care in different settings

Modes of Study Participation in lectures, participation and completion of group exercises and PBL

Evaluation A written exam is graded fail or pass on a scale 1–5.

Organization Responsible Department of International Health, University of Tampere Medical School

Person in Charge Professor Per Ashorn, Dr. Taneli Puumalainen

Language English

Teaching methods Lectures 10x2h, group work 5x2h, tutor sessions (PBL) 6x2h

Limited access Attendance is limited to students enrolled on the Master's program in Health Sciences (International Health). Attendance to lectures is unlimited; see Introductory lectures in Global Health.

Time Autumn 2007, Period II, October-November, weeks 41–46

Web page <https://moodle.uta.fi>

Recommended reading

Lindstrand A, Bergström S, Rosling H, Rubenson B, Stenson B, Tylleskär T: Global Health, an introductory textbook. Studentlitteratur 2006. ISBN 13: 978-91-44-02198-0

Health statistics series, Lancet 2007

Selected scientific articles

1.3. Humanitarian crisis and health (MIH-G03)

Credits 6 ECTS

Objectives To provide the students with knowledge on the magnitude and causes of different humanitarian crisis in the world, legal and human rights context and main actors in humanitarian crisis, magnitude and scope of health effects in different types of humanitarian crisis and the methods of assessing health in humanitarian crisis and main priorities in health care

Content

- History, trends, background and causes of humanitarian crises in the world
- The legal context of humanitarian assistance, rights and duties of aid personnel
- The international mechanisms for protection of human rights in humanitarian crisis
- Stakeholders, their tasks and local and international co-operation in humanitarian crisis
- Main public health problems in different types of man made crisis and natural disasters and their mechanisms
- Overall priorities in health care in humanitarian crisis and vulnerable groups
- Health needs assessment in humanitarian crisis
- Special features of military health care

Modes of Study Participation in lectures, practical sessions and assignments

Evaluation Participation and assignments are graded pass/fail.

Organization Responsible Department of International Health, University of Tampere Medical School and the institute for extension studies at Tampere University (Tyt), Finnish Red Cross

Person in Charge Professor Per Ashorn, Dr. Teija Kulmala

Language English

Teaching methods Modules of lectures and practice sessions 3x2days

Limited access This course consists of 3 elective modules (2 days each). Attendance is limited to students enrolled on the Master's program in Health Sciences (International Health). The course is offered for outside participants by Tyt as single self-financed modules.

Time Autumn 2007, Period I–II, September-December, week 39–48

Web page <https://moodle.uta.fi>

Recommended reading

The Sphere project: Humanitarian Charter and Minimum standards in disaster response. The Sphere project 2004, ISBN 92-9139-097-6, Chapter 1 and 5.

Médecins Sans Frontières: Refugee Health – an approach to emergency situations, Macmillan Educations, Oxford 1997, ISBN 0 333 72210 8.

Selected articles and documents

1.4. Child health and nutrition (MIH-G04)

Credits 6 ECTS

Objectives To provide historic, economic and cultural context to the global children's rights, child health and child health policy development, describe the global role of major communicable and non-communicable paediatric diseases, describe the role of nutritional disorders to child development and health, and describe the major child health intervention strategies.

Content

- Global and age-specific distribution of child health
- International efforts to improve child health policies and child rights
- Burden of globally most important childhood communicable and non-communicable diseases
- Role of nutritional disorders to child health and development
- Main child health interventions and intervention strategies

Modes of Study Participation in lectures, participation and completion of group exercises and PBL

Evaluation A written exam is graded fail or pass on a scale 1–5.

Organization Responsible Department of International Health, University of Tampere Medical School

Person in Charge Dr. Taneli Puumalainen

Language English

Teaching methods Lectures 8x2h, 4x1h, group work 5x2h, tutor sessions (PBL) 7x2h

Limited access Attendance is limited to students enrolled on the Master's program in Health Sciences (International Health). Attendance to lectures is unlimited; see introductory lectures in Child Health and Nutrition.

Time Autumn 2007, Period II, November-December, weeks 46–50

Web page <https://moodle.uta.fi>

Recommended reading

Unicef: State of World's Children 2006-2007

Child Survival Series 1–5, published in Lancet 2003-4

Neonatal Survival Series 1–4, Lancet 2005

Child Development Series 1–3, Lancet 2007

Selected scientific articles

1.5. Reproductive health and gender issues from a global perspective (MIH-G05)

Credits 6 ECTS

Objectives

- To provide an overview of the history and current status of the sexual and reproductive health and rights from a global perspective
- To demonstrate some of the socio-cultural, political and ethical issues surrounding sexual and reproductive health
- To provide an introduction and practical examples of national and international strategies of sexual and reproductive health promotion
- To provide a foundation in the main aspects of sexual and reproductive health and reproductive health research tools and methodology through practical examples and applications

Content

- Introduction to reproductive health
- Health services in reproduction
- Reproductive health and chronic diseases

- Reproductive health from global perspective, selected issues: Maternal mortality and morbidity, abortion and the problem of unsafe abortion, family planning, adolescent sexual health, sexually transmitted infections, HIV/AIDS and HIV prevention, stigma and discrimination, gender based violence, harmful practices, male involvement in reproductive health
- Gender issues and women's empowerment

Modes of study Participation in lectures, tutor sessions, group work (discussion groups) and final exam. Reading the relevant course material.

Evaluation A written exam is graded fail or pass on a scale 1–5.

Organization responsible Department of International Health, University of Tampere Medical School and the Tampere School of Public Health.

Person in charge Dr Teija Kulmala, Prof. Riitta Luoto and Prof. Per Ashorn

Language English

Teaching methods Lectures and tutor sessions 10 x 2 h, group work 6 x 2 h (case studies) and site visits 1 x 3 h.

Limited access Attendance is limited to students enrolled on the Master's program in Health Sciences (International Health, Public Health) on the Postgraduate Programme in International Health and DPPH (Doctoral programs of public health). Attendance to lectures is unlimited; see Introductory lectures in Reproductive Health and Gender Issues.

Time Spring 2008, Period III, January-February

Web site <https://moodle.uta.fi>

Recommended reading (relevant sections from)

JB Lawson, KA Harrison and S Bergstrom (ed): Maternity Care in Developing Countries, RCOG Press, London, UK, 2001 ISBN: 1 900364 39 5

Reproductive Health Strategy, WHO, 2004

Sexual and reproductive health series, Lancet 2006

Ness RB, Kuller LH (ed.): Health and disease among women: biological and environmental influences. Oxford University Press 1999.

Goldman MB, Hatch MC: Women & health. Academic Press, 2000.

1.6. Human mobility and health (MIH-G06)

Credits 6 ECTS

Objectives To give the students knowledge on the following main fields: magnitude, causes and consequences of human mobility health, transnational encounters in health care, travel medicine and road traffic and health

Content

- Magnitude and causes of internal displacement, immigration and emigration and definitions of human mobility status
- Individual and institutional competences in transnational health care
- Special issues in health of refugees
- Characteristics of travel and travelers in the world
- Main health problems of travelers, travel health interventions and their evidence
- Selected other issues: Road traffic and health, pandemics

Modes of Study Participation in lectures and group work sessions, recommended literature

Evaluation Written exam is graded fail or pass on a scale 1–5.

Organization Responsible Department of International Health, University of Tampere Medical School and the institute for extension studies at Tampere University (TYT), Finnish Red Cross

Person in Charge Professor Per Ashorn, Dr. Teija Kulmala

Language English

Teaching methods Modules of lectures and group work sessions (3x2 days)

Limited access. This course consists of 3 elective modules (2 days each). Attendance is limited to students enrolled on the Master's program in Health Sciences (International Health). The course is offered for outside participants by TYT as single self financed modules.

Time Spring 2008, Period III–IV, January-April

Web page <https://moodle.uta.fi>

Recommended reading

WHO: International travel and health, WHO Press, Switzerland, 2007. ISBN: 9789241580397

Additional literature to be announced later

1.7. National health systems and international organizations (MIH-G07)

Credits 6 ECTS

Objectives To provide the students with knowledge of the structure and function of regional, national and international health care systems, their function and financing strategies.

Content

- regional, national and international level approaches to health policy and planning
- situational analysis of population health needs, services, resources and environment
- organization of health care and the multisectoral approach to health
- health care financing systems, costs of health care and budgeting
- multinational organizations and their impact in health policy formulation

Modes of Study Lectures, group work, reading the course literature

Evaluation Written exam is graded fail or pass on a scale 1–5

Organization Responsible Department of International Health, University of Tampere Medical School

Person in Charge Professor Per Ashorn

Language English

Teaching methods Lectures, group work and tutor sessions

Limited access Attendance is limited to students enrolled on the Master's program in Health Sciences (International Health, Public Health).

Time Spring 2008, February-March Period III

Web page <https://moodle.uta.fi>

Recommended reading

Andrew Green: An introduction to Health Planning in Developing Countries, Oxford University Press, 2. ed. 1999 (reprinted 2004) ISBN 0192629840

Additional literature to be announced later

1.8. Project planning and management

Credits 4 ECTS

Objectives The aim of the course is to familiarize students with concepts of project work and project management, and to enable students to plan a public health project.

Content Each student will prepare a plan for a public health project and present the plan in the seminar.

Modes of Study Lectures, workshop, individual work and seminar

Evaluation Participation and assignments are graded pass/fail
Organization Responsible Tampere School of Public Health
Person in Charge senior assistant professor Anne Konu
Language English
Teaching methods Lectures, workshops, seminars
Time Spring 2008, period IV
Web page <https://moodle.uta.fi>
Recommended reading To be announced later

1.9. Leadership in global health (MIH-G08)

Credits 2 ECTS

Objectives To give the students knowledge on leadership strategies and future prediction

Content

- Historical development and concepts of strategic leadership – vision, aims, processes, activities, and indicators
- Essentials of human resource management and team leading
- Essentials of futures -research
- Practical preparation of a health related strategic plan

Modes of Study Lectures, group work, tutorials

Evaluation Completion of assignments and participation in discussions is graded pass/fail.

Organization Responsible Department of International Health, University of Tampere Medical School

Person in Charge professor Per Ashorn

Language English

Teaching methods Lectures, group work, tutorials

Limited access Attendance is limited to students enrolled on the Master's program in Health Sciences (International Health, Public Health).

Time Spring 2008, Period IV

Web page <https://moodle.uta.fi>

Recommended reading To be announced later

1.10. Global health theme seminars (MIH-G09)

Credits 4 ECTS

Objectives To give the students skills in seminar presentation and essay writing as well as provide knowledge on selected important topics within global health that are not covered in the thematic courses.

Content The topics of the seminar will cover environmental, social, political and economical aspects of health as well as the role of development co-operation and industrial actors in global health. The precise topics will be selected during the course.

Modes of Study Participation, essay and oral presentation

Evaluation Pass/fail evaluation of the essay and presentation

Organization Responsible Department of International Health, University of Tampere Medical School

Person in Charge Professor Per Ashorn

Language English

Teaching methods Seminars, presentation in seminars, essay writing

Limited access Attendance is limited to students enrolled on the Master's program in

Health Sciences (International Health).
Time Autumn 2007-Spring 2008, Period I-IV
Web page <https://moodle.uta.fi>

2 Research methodology modules (14 ECTS credits)

2.1. Introduction to public health research methods and methodology

Credits 2 ECTS

Course description The course is an introductory course for Master's students. It gives an overview of research principles, methods, ethical and practical aspects of research in public health.

Objectives The aim of the course is to provide the students with basic understanding of the following main fields:

- core principles of scientific research and reasoning
- good scientific practice and ethical considerations
- main methodological approaches
- critical reading of scientific literature
- the stages of a research process

Content

- Characteristics of scientific and empiric knowledge
- Scientific inquiry and the relationship between theory and hypothesis
- Methodological approaches – an overview of quantitative and qualitative methods and
- selected methodological questions
- Critical reading of scientific articles
- Rules of good scientific practice and ethical considerations
- Stages in a research process, relationship between the aim of the study, study design and data

Modes of Study Participation in lectures and group work sessions, learning diary

Evaluation The students' understanding of key research concepts is assessed in the learning diaries. Pass/fail

Organization Responsible Tampere School of Public Health and Medical School, Department of International Health

Person in Charge Professor Riitta Luoto

Language English

Teaching methods Lectures (6h), group work (6h)

Time Autumn 2007, Period I, week 36-37

Web page <https://moodle.uta.fi>

Recommended reading (relevant sections from)

Ann Bowling (ed.) Research methods in health – investigating health and health services. Open University 2002.

Jenkinson J (ed) Assessment and evaluation of health and medical care. Open University Press 1997/2002.

Shand J. Arguing well. Routledge 2000.

2.2. Introduction to biostatistics

Credits 2 ECTS

Course description To give the students knowledge on basic biostatistics and its use in public health research.

Objectives Provide the students with an understanding on basic concepts and methods in biostatistics.

Content

- Structure of data matrix, types of variables
- Descriptive statistics
 - Frequency distributions
 - Measures of central tendency and variation
 - Measures of association
- Statistical inference
 - Hypothesis testing
 - The concept of confidence interval
- Ideas of sample size calculations

Modes of Study Participation in lectures, practical exercises and assignment

Evaluation Assignment and group discussion are graded on a scale of pass / fail.

Organization Responsible Tampere School of Public Health and Medical School, Department of International Health

Person in Charge Professor Hannu Oja, Anna-Maija Koivisto

Language English

Teaching methods Lectures (6x2h), practical exercises, assignment.

Time Autumn 2007, Period I, September, week 37–39

Web page <https://moodle.uta.fi>

Recommended reading

Altman DG: Practical statistics for medical research. Chapman & Hall 1991 or later edition OR

Swinscow TDW and Campbell MJ: Statistics at Square One. BMJ Books 2002. ISBN 0 7279 1552 5.

2.3. Basic epidemiology

Credits 4 ECTS

Course description An introductory course to epidemiology, consisting both of lectures and practical exercises

Objectives To provide the students with an understanding on epidemiological concepts and ability to critically interpret reports from epidemiological studies.

Content

- The scope of epidemiology and its basic concepts
- Concepts and measures of disease occurrence
- Measurement of associations between exposures and outcomes
- Defining exposure and outcome, validity of measurements
- Systematic error (bias), random error and confounding
- Essential elements, strengths, and weakness of typical epidemiological research designs
 - Ecological studies
 - Cross-sectional studies
 - Case-control studies
 - Cohort studies
 - Randomised controlled trials and other intervention studies

- Scientific inference: distinction between association, causality, confounding, or inconclusive results

Modes of Study Participation in the practical exercises, examination

3.7.Evaluation Participation is graded pass/fail. Exam is graded fail or pass on a scale 1–5.

Organization Responsible Tampere School of Public Health and Medical School, Department of International Health

Person in Charge Professor in epidemiology Suvi Virtanen, e-mail: suvi.m.virtanen(at)uta.fi, Senior Assistant Professors Arto Palmu and Susanna Kautiainen

Language English

Teaching methods Lectures 12x2h, practical exercises 8x2h, recommended literature

Time Autumn 2007, Period I, September, week 37–40

Web page <https://moodle.uta.fi>

Recommended reading (relevant sections from)

Webb P, Bain C and Pirozzo S: Essential epidemiology – an introduction for students and health professionals, Cambridge 2005, ISBN 13: 978 0521 837456 OR

Dos Santos Silva, I: Cancer Epidemiology: Principles and methods. IARC & WHO, Lyon. 1999 OR

Gordis L: Epidemiology. Elsevier Saunders, 2004 OR

Hennekens CH, Buring JE: Epidemiology in Medicine. Boston 1987

2.4. Data management and presentation (MIH-M01)

Credits 2 ECTS

Objectives To give the students a working knowledge of questionnaire design, data entry, handling of bias in the process of data management and presentation of cross-sectional data sets in tables and graphs.

Content

- Questionnaire design
- Data entry and cleaning
- Presentation of data in tables and graphs
- Quality control in data collection and management

Modes of Study Lectures, practical exercises, assignment

Evaluation Participation and assignment are graded pass/fail

Organization Responsible Department of International Health, University of Tampere Medical School

Person in Charge Professor Per Ashorn

Language English

Teaching methods Lectures and practical exercises

Limited access Attendance is limited to students enrolled on the Master's program in Health Sciences (International Health, Public Health).

Time Spring 2008, Period III, January

Web page <https://moodle.uta.fi>

Recommended reading To be announced later

2.5. Statistical computing with SPSS-software

Credits 2 ECTS

Objectives To enable the students to create SPSS data files and perform simple description and statistical analysis using SPSS for Windows

Content Basic Structure of an SPSS data file. Using the data editor. Descriptive sta-

tistics. Data transformations. File transformations. Measures of associations. Differences between two groups. Simple modeling for the data.

Modes of Study Lectures and demos in a computer class

Evaluation Pass/fail

Organization Responsible Tampere School of Public health

Person in Charge Professor Hannu Oja

Language English

Teaching methods Lectures and demos in a computer class

Time Spring 2008, Period III

Web page <https://moodle.uta.fi>

2.6. ABC in scientific writing

Credits 2 ECTS

Objectives To familiarize students with various aspects of scientific communication

Content

- Principles of and forums for scientific publishing of quantitative and qualitative biomedical and public health research
- Writing scientific articles and systematic literature reviews
- Graphics, tables statistical reporting and good English in publications
- Scientific lectures, congress abstracts and posters
- Doctoral dissertations, practical aspects and publishing
- Research, media and popularization

Modes of Study Participation in lectures, lecture diary

Evaluation Lecture diary is evaluated pass/fail

Organization Responsible University of Tampere Medical School

Person in Charge Professor Per Ashorn

Language English

Teaching methods Lectures (17 h)

Time Spring 2008, Period IV, April-May

Web page <https://moodle.uta.fi>

Recommended reading selected open access materials (see web page)

3 Master's Thesis and related modules (52 ECTS)

3.1. Master's thesis seminars (MIH-T01)

Credits 6 ECTS

Objectives To give the students knowledge on the aim, process and structure of the thesis writing and related ethical questions as well as the relevant skills for planning, writing and presenting own research.

Content

- Purpose and format of the thesis
- Designing and describing a new health research protocol
- Ethics and regulations of health research
- Follow-up and critical evaluation master's thesis planning and writing process

Modes of Study Active participation in seminars, presentations of own thesis work

Evaluation Seminar participation and presentations are graded pass/fail

Organization Responsible Department of International Health, University of Tampere Medical School

Person in Charge Professor Per Ashorn

Language English

Teaching methods Seminars

Limited access Attendance is limited to students enrolled on the Master's program in Health Sciences (International Health).

Time Autumn 2007, Period I

Web page <https://moodle.uta.fi>

3.2. Literature review on the methodology for Master's thesis (MIH-T02)

Credits 6 ECTS

Objectives To familiarize the student with the methodology related to the student's own Master's thesis and develop skills in writing reviews

Content Individual literature search and writing a literature review.

Modes of Study Individual work, supervision sessions

Evaluation Literature review is graded fail or pass on a scale 1-5

Organization Responsible Department of International Health, University of Tampere Medical School

Person in Charge Professor Per Ashorn

Language English

Teaching methods Supervision sessions

Limited access Attendance is limited to students enrolled on the Master's program in Health Sciences (International Health).

Time Autumn 2008 – Spring 2009

Web page <https://moodle.uta.fi>

3.3. Master's thesis on a global health subject (MIH-T03)

Credits 40 ECTS

Objectives

- to train the student in an independent systematic approach in setting research objectives, choosing research methods and carrying out research
- to enable the student to acquire in-depth knowledge in a specific problem or topic in the field of international health
- to train the student in handling scientific research material, presentation of data and reporting of scientific studies.

Content Carrying out a research and writing a thesis or journal article. In the case of an article, it must either be published or submitted in a Finnish or international scientific peer-reviewed journal. The student must be the first author of the article. Additionally, the student must write an essay in which he/she describes and reflects the research more widely than it is possible in the article. The student must also write a short report on the research process.

Modes of Study Writing a Master's thesis in a global health topic. Participation in the Maturity exam.

Evaluation Master's thesis will be evaluated both with written statement and degree approbatur, lubenter approbatur, non sine laude approbatur, cum laude approbatur, magna cum laude approbatur, eximia cum laude approbatur or laudatur. Maturity exam will be graded on a scale of pass / fail

Organization Responsible Department of International Health, University of Tampere
Medical School

Person in Charge Professor Per Ashorn and supervisor of Master's thesis

Language English

Teaching methods Individual supervision

Time Autumn 2008 – Spring 2009, in agreement with supervisor

Web page <https://moodle.uta.fi>

4. Elective modules (4 ECTS credits)

4.1. Perspectives in public health

Credits 3 ECTS

Course description Introductory lectures in different fields of public health

Objectives To familiarize students with the multidisciplinary field of public health

Modes of Study Participation in lectures, lecture diary

Evaluation Lecture diary is evaluated pass/fail

Organization Responsible Tampere School of Public Health

Person in Charge Professor Clas-Håkan Nygård

Language English

Teaching methods Lectures

Time Autumn 2007, Period I

Web page <https://moodle.uta.fi>

Recommended reading

Understanding Health. A determinants approach. Edited by Helen Keleher and Berni Murphy. Oxford University Press.

Material and articles distributed in class.

4.2. Qualitative research methods

Credits 4 ECTS

Objectives The aim of the course is to familiarize the student with theoretical premisses, principles and methods of qualitative research in health

Content Introduction to qualitative research, and research process and practices and basic qualitative research approaches in the field of public health.

Modes of Study Lectures, practicals, exam

Evaluation Book exam is graded fail or pass on a scale of 1–5

Organization Responsible Tampere School of Public Health

Person in Charge Senior assistant professor Pirjo Lindfors

Language English

Teaching methods The course consists of lectures and practicals

Time Spring 2008, Period III

Web page <https://moodle.uta.fi>

Recommended reading

Burr V. Social Constructionism. Routledge 2003.

Have P ten: Understanding Qualitative Research and Ethnometodology. Sage 2004.

Silverman D. Doing Qualitative Research. A practical handbook. Sage 2000.

4.3. Logistic regression

Credits 2 ECTS

Course description This course is an intensive course intended for participants interested in the use of logistic regression. The approach will be non-technical, with use of mathematics and algebra only as necessary.

Objectives To enable the students to use logistic regression.

Content. Logistic regression in published papers, typical applications of logistic regression, interpretation of logistic coefficients, coding of variables, model building and evaluation, assessing model fit, analysis of matched data, other selected topics, work on students' own data.

Modes of Study lectures, practical sessions, work with own data, reading

Evaluation pass/fail

Organization Responsible Tampere School of Public Health

Person in Charge Professor Stephen Walter, MacMaster University, Canada, professor in epidemiology Suvi Virtanen

Language English

Teaching methods Lectures, practical sessions on the computer using supplied exercises and students' own data, discussion on published studies

Prerequisites No previous experience with logistic regression is required. However, it is highly desirable that students have some experience with basic statistical methods, and should preferably be familiar with the basic ideas of linear regression.

Time Spring 2008, March, Period III/IV

Web page <https://moodle.uta.fi>

Recommended reading Course notes and additional reading: Hosmer DW and Lemeshow S: Applied Logistic regression

4.4. History of health and disease

Credits 3 ECTS

Objectives To familiarise students with the history of health and disease as well as with the history of medical and public health research

Content History of health and disease concepts, disease explanations, public health, selected diseases and population growth

Modes of Study Participation in lectures, lecture diary, recommended literature

Evaluation Lecture diary is graded pass/fail

Organization Responsible Tampere School of Public Health

Person in Charge Professor Suvi Virtanen

Language English

Teaching methods Lectures (16h)

Time Spring 2008, Period III–IV

Web page <https://moodle.uta.fi>

Recommended reading

Porter R. The Greatest benefit to Mankind. A medical History of Humanity from Antiquity to the Present. Harper Collins Publishers, London, 1997 OR

Bynum WF, Porter R (ed.). Companion Encyclopedia of the History of Medicine. Routledge 1993.

4.5. Travel medicine (MIH-E01)

Credits 2 ECTS

Objectives To give the students insight into current themes in travel health

Content The students will participate in the NECTM international travel medicine conference in Helsinki

Modes of Study Participation in conference lectures and written assignment

Evaluation Participation in conference lectures and written assignment is graded pass/fail

Organization Responsible David Livingstone Society and Department of International Health, University of Tampere Medical School

Person in Charge Dr. Taneli Puumalainen

Language English

Teaching methods Conference lectures, reading literature

Limited access Attendance is limited to students enrolled on the Master's program in Health Sciences (International Health).

Time Spring 2008, Period IV

Web page <https://moodle.uta.fi>

4.6. Literature review on a selected global health subject (MIH-E02)

Credits 4 ECTS

Objectives To familiarize the student with a selected global health subject and develop skills in writing reviews

Content Individual literature search and writing a literature review.

Modes of Study Individual work, supervision sessions

Evaluation Literature review is graded on a scale of 1–5 or failed.

Organization Responsible Department of International Health, University of Tampere Medical School

Person in Charge Professor Per Ashorn

Language English

Teaching methods Supervision sessions

Limited access Attendance is limited to students enrolled on the Master's program in Health Sciences (International Health).

Time Autumn 2008 – Spring 2009

Web page <https://moodle.uta.fi>

4.7. Other relevant courses offered at University of Tampere, as agreed with the program director (MIH-E03)