Description

The course is designed to gain knowledge about the main principles and methods used in the environmental epidemiology for health risk assessment, the understanding of geographic information systems (GIS), its usage in improving analysis of public health research in assessing environmental exposure and associated health effects. You will learn how to map and analyse spatial data by using GIS-related technologies for individual level and area level exposure assessment and mathematical modelling; also will develop skills to assess links between complex hazardous factors and environmental related disease, and create action plan for environmental health project preparation.

Objectives

- To understand how GIS can be used in public health and research.
- Be able to track, inform and manage the data associated with public health and diseases.
- To assess exposure of various environmental hazards that affect human health using GIS-related technologies.
- To develop a basic understanding of environmental health and risk assessment and its role within the risk management process.
- To quantify health risk magnitude and to suggest measures for risk management.
- To create action plan for environmental health project preparation.

Dates

5-day short course 17th - 21th August 2015
Target audience

Open to Masters and PhD students, epidemiologists, environmental specialists, public health practitioners. Previous experience in GIS is not essential and an understanding of basic statistical skills will be assumed.

Course structure

5-days practical work with ArcGIS, SPSS programs interspersed with project development and seminars.

Credits

2 ECTS (1 ECTS corresponds to appr. 27 hours workload)

Location

Department of Environmental Sciences, Vytautas Magnus University, Kaunas, Lithuania

Registration

Please register by sending an email to: a.dedele@gmf.vdu.lt

Course leaders

Dr. Audrius Dėdelė, Prof Dr. habil. Regina Gražulevičienė, Dr. Asta Danilevičiūtė, Phd student Sandra Andrušaitytė, Phd student Auksė Miškinytė (Department of Environmental Sciences, Vytauto Magnus University)

Max. Attendance

12 participants

Deadline

15th July 2015

Course Fees

450 euros (fee does include course participation, course materials and lunch. Accommodation is not included)

If you would like to get more information about upcoming courses please email the course organizer: a.dedele@gmf.vdu.lt