



Join us for a three day doctoral training in Oulu!

# WHO Collaborating Centre Course: **CLIMATE CHANGE, WEATHER AND HUMAN HEALTH**

**Course organizer:** WHO Collaborating Centre in Global Change, Environment and Public Health, Center for Environmental and Respiratory Health Research (CERH), University of Oulu.

**Location:** University of Oulu Medical Faculty and Kastelli Research Center, Oulu, Finland.

**Schedule:** October 27<sup>th</sup>-29<sup>th</sup>, 2014

**Course fee:** none

*Climate change is the biggest  
global health threat of the 21<sup>st</sup> century*



Photo: Ilpo Okkonen

**Course objectives:** The objectives of the course are to understand climate change and how it is related to health nationally and globally, at present and in the future. Firstly, the purpose is to increase knowledge on how key primary effects of climate change, such as temperature and climate extremes influence human health.

Following, the course will provide information of secondary health effects, such as changes in the occurrence of allergens and infectious diseases. Finally, the course presents mitigation measures and public health responses for reducing and preventing adverse health effects.

**Who should attend?** The course is suitable for doctoral students representing various disciplines and interested in climate change related effects. Especially students of medicine, health sciences, health care, public health, economy, social, natural and environmental sciences may find the course interesting.

## IMPORTANT DATES

**Online registration:** by 15<sup>th</sup> of August  
[www.oulu.fi/cerh](http://www.oulu.fi/cerh)

**Pre-course online exam:** 15<sup>th</sup> of September

**More information:** [www.oulu.fi/cerh](http://www.oulu.fi/cerh)

**Course funded by:**

University of Oulu Graduate School (UniOGS) and Doctoral Programs in Public Health (DPPH)



**Course content:** The training consists of pre-course reading material and an online exam, contact lectures, as well as group works on assigned themes.

**Group work themes:**

- Occupational heat effects
- Pollen and allergic diseases
- Climate change, migration and health
- Climate change, housing and health
- Vector-borne diseases and health
- Climate change and food and water security
- Climate change and use of biomass fuels

**Lecturers:** The course lecturers include recognized international and national experts, such as Professor Colin Butler (University of Canberra), Professor Timothy Carter (Finnish Environment Institute), Professor Birgitta Evengård (Umeå University), Professor Jouni Jaakkola (University of Oulu) etc.

**The ECTS study credit value of the course:** The credit value of the course equals 3 ECTS which includes

ca. 62 hours for reading the course material and the pre-course examination in addition to ca. 16 hours of contact learning during the three-day course. Overall this equals a total of 78 hours of learning.



**Course material provided to participants:** Butler, CD (ed.) Climate Change and Global Health: A ground-breaking study of the impact of climate change on human health. CABI 2014, 304 p. Book to be published in autumn 2014!

**Course program**

DAY 1 Monday October 27, 2014	DAY 2 Tuesday October 28, 2014	DAY 3 Wednesday October 29, 2014
Theme: CLIMATE CHANGE  What is climate change? • Effects and consequences Climate change and global health	Theme: CLIMATE CHANGE, WEATHER AND HEALTH  Temperature and human health  Climate extremes and health Climate change, pollen and allergic diseases  Climate change and infectious diseases	Theme: CHALLENGES AND SOLUTIONS  Climate change and societal conflicts  Climate change, mitigation and human health  Solutions at international, national and local level  Presentations of group works

**More information:** [www oulu fi/cerh](http://www oulu fi/cerh)