





**Geography Graduate School
course:**

***Understanding changes and
dynamics in landscapes:
methods, processes and
implications***



FOCUS:

This intensive course shares ideas of landscape research, particularly the use of different approaches and methods in the analysis of landscape patterns, changes and dynamics. Topics, such as space and time in landscapes, interactions between natural and human systems as well as societal implications of landscape research will be addressed.



FOR WHOM?

*The course invites all students of the **Geography Graduate School in Finland** with interests on the above related topics. We are especially seeking interactions between different approaches and methods in landscape research and would like to discuss about the various implications that landscapes research might have in the society. **MSc students and international students** with related study focus can also apply for the course.*

TEACHERS:

Prof Marc Antrop, Geography Department, University of Ghent, Belgium is a geographer specialised in landscape science, planning and management. His research deals with recent changes of (mainly European) landscapes, landscape characterisation and monitoring, and different methodological approaches to landscapes.

Prof Risto Kalliola, Department of Geography, University of Turku, Finland is a geographer specialised in biogeography and geoinformatics, with research experience from Amazonia and Northern Europe.

Dr Niina Käyhkö, Department of Geography, University of Turku, Finland is a geographer specialised in land cover and land use change analysis applying methods in Geographical Information Systems. Dr Käyhkö is currently post-doctoral researcher of the of Finland working with case studies from Finland and Tanzania.

Prof Ülo Mander, Institute of Geography, University of Tartu, Estonia is a professor of physical geography and landscape ecology. He is specialised in landscape analysis, nutrient cycling control at catchment level and ecological engineering (constructed wetlands for wastewater treatment and riparian buffer zones).

Dr Helle Skånes, Department of Physical Geography and Quaternary Geology, University of Stockholm, Sweden is a senior lecturer in Ecological Geography. The main focus of her research is placed on spatial changes in the rural landscape over time and their implications for biodiversity on a landscape level using remote sensing techniques, GIS and cartography.



University of Turku, Department of Geography 6-8.9.2007

PROGRAMME:

The course is structured around **opening lectures** given by the teachers and **seminar sessions**, where students will present their work in progress (with prepared paper send to the teachers in advance). Student's will receive feedback of their papers from the lecturers. Based on the lectures and presentations key topics of importance will be identified during the course and discussed in group.



Preliminary topics of the opening lectures are:

Marc Antrop: *"Past, present and future driving forces of landscape change."*

Risto Kalliola: *"What can geographers learn from remotely sensed images. Examples from Finland, Russia and Peru?"*

Niina Käyhkö: *"Change detection methods in land cover/land use research"*

Ülo Mander: *"Landscape changes and nutrient cycling".*

Helle Skånes: *"Landscape history profiling and aerial photographic interpretation as tool in nature conservation applications"*

Each opening lecture is ca. 2-3 h

SCHEDULE AND SIGN-UP:

The course will run daily from 9 am to 6 pm. There will also be evening programme on Thursday and Friday . The venue of the course is Department of Geography, University of Turku

Sign up by sending email to Dr Niina Käyhkö by August 15th (niina.kayhko@utu.fi). Introduce yourself and send a short abstract of the topic of your presentation

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