



Course: Climate change adaptation in the framework of EU integration

Study Cycle: Master, Full time

Academic Year: 2020-2021

Study program: Master of Science in Risk Management

Lecturers: Prof. Asoc.Dr Narin Panariti, Dr. Elona Pojani

Academic Load: 60 hours (30 Lectures and 30 Seminars)

Semester: III

Type of course: elective course

Contact: narin_panariti@yahoo.co.uk/ elonapojani@feut.edu.al

Goal and objectives of the Course

This module provides an in-depth assessment of important issues in climate change adaptation and its respective implementation in the framework of EU integration. It places contemporary climate change into its historic context, examines the latest thinking in detection and attribution of recent warming and describes the nature of climate modelling and model uncertainty. Assessment of hazard and risk posed by climatic processes are critical to disaster risk reduction and sustainability. For this purpose, the module will examine climate hazards and risk assessment at local to national and international scales. Physical processes of key climate hazards including flooding, slope instability and wildfire will be covered along with theoretical approaches and practical skills for assessing hazard and risk. This module receives input from practitioners working to assess climate-related risks, providing case studies in both hazard assessment strategies and risk assessment policies. Practical workshops and a field excursion will be organized, in order to allow students to combine their theoretical knowledge and practical skills to tackle real-life climate hazard and risk challenges.

The content of the course

The program of the course includes the following topics: The human face of climate change, Vulnerability to climate change impacts, Vulnerable groups, Economics of Climate Change; The political process - mapping adaptation actors; Resilience and adaptive capacity; From environmental justice to climate justice; International governance of climate change adaptation, Storylines and Pathways for Adaptation in Europe; Economy-Wide Impacts of Climate Mitigation and Adaptation Strategies Across European Regions; Adaptation planning in developing countries; Inside the global climate change negotiations; Policy Framework for Climate Change Adaptation in EU.

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LITERATURE

Main Literature: Sanderson, Hans et.al. (eds.): Adapting to Climate Change in Europe: Exploring Sustainable Pathways - From Local Measures to Wider Policies. Elsevier: Amsterdam.

Walter Leal Filho; Goran Trbic; Dejan Filipovic (eds): Climate Change Adaptation in Eastern Europe Managing Risks and Building Resilience to Climate Change, 1st ed. 2019.

European Environment Agency (EU body or agency): Adaptation in Europe: Addressing risks and opportunities from climate change in the context of socio-economic developments. 2013

Additional Literature:

European Commission; Directorate-General for Climate Action; Triple E Consulting: Assessing the implications of climate change adaptation on employment in the EU - final report & annexes. 2014

European Environment Agency (EU body or agency): Climate-ADAPT: How Europe is adapting to climate change: 10 case studies. 2018

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