UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Coastal and Marine Hazard and Resilience

2122-2-F7502Q007

Aims

The course explores the complexity of the relationships between culture, risk and disaster. The aim of the course is to improve understanding of the risks associated with coastal and marine environments in order to better manage them and analyse people's resilience to risk, exploring the cultural dimension of disaster.

Contents

Definitions and uses of the terms hazard, risk, disaster, vulnerability and resilience. Culture, knowledge and world views related to hazards. Cultural and political aspects of disasters, catastrophes and natural hazards (tsunamis, floods, climate change) in marine and coastal areas: adaptation, mitigation and resilience. The cultural dimension of disaster risk reduction (DRR). Sustainability in relation to the promotion of the Sustainable Development Goals (SDGs), identified by the UN Agenda 2030. Governance, stakeholders, communication and participation.

Detailed program

The course examines the development of the meaning, uses and applications of the terms hazard, risk and resilience in marine and coastal areas, and explores the cultural dimension of disaster.

Prerequisites

None

Teaching form

Frontal lectures. Students will be engaged in case studies, discussions of scientific papers, analysis of national and international reports, oral presentations and reading of environmental assessments.

Textbook and teaching resource

All teaching resources are digital and can be found on the University website.

Krüger F., Bankoff G., Cannon T., Orlowski B., and Schipper E.L.F. (Eds.) (2015), *Cultures and Disasters: Understanding Cultural Framings in Disaster Risk Reduction,* Abingdon and New York, Routledge

or, alternatively:

Kelman I. (2020), *Disaster by Choice. How our actions turn natural hazards in catastrophes*, Oxford University Press.

And the four articles:

1) Alexander D.E. (2013)"Resilience and disaster risk reduction: an etymological journey", *Nat. Hazards Earth Syst.* Sci., 13, 2707–2716,

2) Weichselgartner J., Kelman I. (2015), "Geographies of resilience: Challenges and opportunities of a descriptive concept", *Progress in Human Geography*, Vol. 39(3) 249–267

3) Kelman I., Gaillard J.C., Mercer J. (2015), "Climate Change's Role in Disaster Risk Reduction's Future: Beyond Vulnerability and Resilience", *Int. J. Disaster Risk Sci,* 6:21–27

4) Adger W.N., Hughes T. P., Folke C., Carpenter S.R., Rockström J. (2005), "Social-Ecological Resilience to Coastal Disasters", *Science* 309, 1036–1039

Semester

First semester

Assessment method

For attending students the final evaluation will be based on:

1) attendance and participation in the course,

2) articles presentations,

3) group presentation and ppt,

4) oral presentation of one's contribution to teamwork

5) writing assignment

For not attending students:

Oral discussion with open questions about the textbook and articles listed in the program

Office hours

Appointment by e-mail:

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