

# Risk Management for Natural Hazards

## Professor

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## Institution

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## General Information

Risk is a central concept in the management of human communities and of the environment. The surging impact of natural hazards, including the effects of climate change, requires a rational, quantitative approach to risk-based decision-making. This course will provide an overview of the concept of risk for human-valued assets to natural hazards from a technical perspective. Conceptual frameworks and operational methods will be illustrated as well as case-study applications. The course will adopt a highly interactive approach. Course participants will select a literature contribution and produce a short oral presentation focusing on its synthesis and critical analysis. Work will be conducted during collegial tutored interactive online sessions which will provide additional theoretical and practical insights into course contents.

## Materials

Course materials will be provided by the Lecturer through a dedicated Moodle page. All course activities will be held online.

## Schedule

Dates	Description
April 11, 2024 14:00-17:00	Course introduction Lecture L01 - Risk: figures, concepts, and frameworks
April 18, 2024 09:00-12:00	Lecture L02 – Risk estimation
May 02, 2024 09:00-12:00	Lecture L03 – Example applications
May 09, 2024 09:00-12:00	Individual project – Tutored work session 1
May 16, 2024 14:00-17:00	Individual project – Tutored work session 2
May 23, 2024 14:00-17:00	Individual project – Tutored work session 3
May 30, 2024 14:00-17:00	Individual project – Tutored work session 4 Quiz
June 06, 2024 14:00-17:00	Individual project presentation
<b>Total 24 Hours - 4 Credits</b>	

## **Additional information**

For any additional inquiries, please contact [www.indicee.unifi.it](http://www.indicee.unifi.it) - [dott-dicea@unifi.it](mailto:dott-dicea@unifi.it).