

# 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, blended learning 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
March 03, 2023 09:30-11:30	Lecture L01 - Risk: figures, concepts, and frameworks
March 17, 2023 09:30-11:30	Lecture L02 – Risk estimation
March 31, 2023 09:30-11:30	Lecture L03 – Example applications
April 03, 2023 09:30-11:30	Individual project – Interactive session 1
April 20, 2023 14:00-18:00	Individual project – Interactive session 2
April 27, 2023 14:00-18:00	Individual project – Interactive session 3
May 09, 2023 14:00-16:00	Individual project – Interactive session 4
May 25, 2023 09:30-11:30	Individual project presentation
Total 20 Hours - 10 Credits	

## 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).