

Natural and Environmental Disasters (CEGE0036)

Description

The course broadly introduces Natural and Environmental disasters that engineers might encounter in their careers and describes the physical processes involved. It provides an interesting foundation for teaching graduate level topics in environmental and geophysical scale fluid dynamics and physical processes. Students will think critically about how to design for extreme events, assessing risks and learning about typical risks at various locations around the world. The course relates closely to the topic of disaster management: relating specifically to case studies from recent disaster events, which have been well documented and researched. Topics and case studies will be selected based on significant recent events such as Hurricanes, Volcanic ash dispersion, tsunamis, surge waves, oil spills, pollution release and urban heat island, industrial accidents, volcanoes, breaking dams, snow avalanches.

Key information

Year	2019/20
Credit value	15 (150 study hours)
Delivery	PGT L7, Campus-based
Reading List	View on UCL website
Tutor	Dr Liora Malki-Epshtein
Term	Term 2
Timetable	View on UCL website

Assessment

■ Group project: 100%

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