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**

<table>
<thead>
<tr>
<th><strong>Year</strong></th>
<th>2019/20</th>
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<tr>
<td><strong>Credit value</strong></td>
<td>15 (150 study hours)</td>
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<tr>
<td><strong>Delivery</strong></td>
<td>PGT L7, Campus-based</td>
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<td><strong>Reading List</strong></td>
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<tr>
<td><strong>Tutor</strong></td>
<td>Dr Liora Malki-Epshtein</td>
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<td><strong>Term</strong></td>
<td>Term 2</td>
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<td><strong>Timetable</strong></td>
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</tbody>
</table>

**Assessment**

- Group project: 100%

**Find out more**

For more information about the department, programmes, relevant open days and to browse other modules, visit ucl.ac.uk

Disclaimer: All information correct as of June 2019. Please note that aspects of the module may be subject to change. UCL will make best efforts to inform applicants of major changes.
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