

Learn about Module 1

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This guideline is an overview of the earthquake geotechnical engineering practice series. It includes technical detail about estimating ground motion parameters.



Module 1 guideline

Module 1: Overview of the guidelines, (<https://www.building.govt.nz/building-code-compliance/b-stability/b1-structure/geotechnical-guidance/>) and other modules, are available in the earthquake geotechnical engineering practice series.

Module 1 educational resources

Module 1 is an overview only, so there is no related online learning. From September, you will be able to access and register for the online geotechnical educational resources related to other modules on the [Engineering New Zealand website](https://www.engineeringnz.org/) (<https://learn.engineeringnz.org/course/view.php?id=42>)



Video: Overview of the earthquake geotechnical guidelines

An introduction to the earthquake geotechnical engineering modules and the associated education programme.

Go to the video (<https://www.building.govt.nz/building-code-compliance/geotechnical-education/learn-about-module-1/video-overview-of-the-earthquake-geotechnical-guidelines/>)

Related resources

- An introduction to probabilistic seismic hazard analysis (<http://www.stanford.edu/search/?q=Jack%20Baker%202008>) by Jack Baker on the Stanford website.
- What will an Alpine Fault earthquake feel like? (<https://www.youtube.com/watch?v=WkNXFrTkVnc>) video by Professor Brendon Bradley on the University of Canterbury's YouTube page.
- New Zealand Dam Safety Guidelines (2015) (<https://nzsold.org.nz/2017/08/31/the-new-zealand-dam-safety-guidelines/>) on the New Zealand Society on Large Dams website.
- Bridge Manual (<https://www.nzta.govt.nz/resources/bridge-manual/>) on the New Zealand Transport Association website.
- Repairing and rebuilding houses affected by the Canterbury earthquakes (<https://www.building.govt.nz/building-code-compliance/canterbury-rebuild/repairing-and-rebuilding-houses-affected-by-the-canterbury-earthquakes/>) (also known as the Residential Guidance).
- Planning for Development of Land on or Close to Active Faults (<http://www.mfe.govt.nz/publications/rma/planning-development-land-or-close-active-faults-guideline-assist-resource>) on the Ministry for the Environment website.
- The 2010 National Seismic Hazard Model (<https://www.gns.cri.nz/Home/Our-Science/Natural-Hazards/Earthquakes/Earthquake-Forecast-and-Hazard-Modelling/2010-National-Seismic-Hazard-Model>) on the GNS Science website.



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