

GEOL112 Dynamic Earth – A New Zealand Perspective

Lecture topics (in order presented):

- Earth's origin and interior
- Plate tectonics, rock deformation, and earthquakes
- Magmas, igneous rocks, and volcanoes
- Sedimentary processes and rocks
- Groundwater
- Metamorphic processes and rocks
- Mineral resources
- Landslides
- Isotope dating and tracing
- Earth history
- New Zealand geology
- Climates of the past
- Numeracy support (distributed)

Field trips (one-day on weekend):

- Akatore Fault
- Dunedin Volcano
- Dunedin Sequence

Assessment:

- Laboratory exercises
- Field trip exercises
- Numeracy exercises
- Written assignment
- Mid-term exam
- Final exam