Programme Structure

<table>
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<tr>
<th>Semester 1 (select 60 points)</th>
<th>Semester 2 (select 60 points)</th>
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<tbody>
<tr>
<td>GEOG402</td>
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<td>GEOG409</td>
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<td>GEOG412</td>
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<tr>
<td>Or GISC courses</td>
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<tr>
<td>GEOG420 Research Project (30 points, whole year)</td>
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All enrolments must be approved by HoD or delegate, or MGIS director in the case of GISC coded courses.

Research Project

**GEOG420-18W, GEOG420-18CY**

This course represents the Research Project component of the Honours programme. A research topic will be chosen in discussion with a possible staff supervisor, a proposal developed and approved, and a written research report completed. This is a whole year course and work is done for the project across both semesters. Various milestones are included through the year including proposal development and oral progress reports.

Emma Kelland (MSc 2013) examines the effects of the earthquakes on coastal lifelines infrastructure.
Wellbeing, Community and Place

GEOG401-18S2 - 0.25 EFTS

The course explores how health and well-being are shaped by our natural, built and social environments, in complex and sometimes unexpected ways. We will draw on a range of research to examine the connections between well-being, community and place.

Coordinators: David Conradson and Kelly Dombroski

Resilient Cities

GEOG402-18S1 - 0.25 EFTS

This course explores the contemporary and pressing issue of urban development. The course focuses on geographical issues related to urban planning for resource use and infrastructure, including energy use, transport networks and green development. It includes a focus on the growing need for cities to be resilient to the many challenges they face. The course includes an applied and practical element, conducted in collaboration with local government officials and communities.

Coordinator: Simon Kingham

Resource and Environmental Management (REM) in New Zealand

GEOG404-18S2 - 0.25 EFTS

This course provides a deep and yet practical understanding of the processes involved in resource and environmental management in New Zealand, including the principles of kaitiakitanga. It aims to enable students to engage actively with the realities of the application of the Resource Management Act, and to be able to apply existing knowledge of environmental and/or human processes to the solution of environmental management problems.

Coordinator: Lynda Weastall Murchison

Geography Internship

GEOG415-18S2 - 0.25 EFTS

This course allows geography students to utilize knowledge gained from previous geography courses within business, government and non-profit organisations while gaining career-related work experiences, exploring compatibility with specific careers and companies, and becoming more mature professionally. It is designed to prepare you for transition from university into employment with practical experience of work in a relevant organisation.

Coordinator: Angela Curl

Coasts and Rivers: From Natural Processes to Urban Environments

GEOG409-18S1 - 0.25 EFTS

This course explores coastal and fluvial geomorphic processes and how they interact with urban environments. Understanding these processes is essential for effective resource and environmental management, as well as for building resilient settlements. Core topics will include river and coastal geomorphology; hydrology and hydrodynamics; flooding from coastal, fluvial and pluvial sources; catchment processes; river mouth environments; sea level rise; theoretical and numerical modelling; human use of coasts and rivers; and laboratory and research methods in coastal and river science. Examples will be drawn from New Zealand, the Pacific, and worldwide.

Coordinators: Matt Wilson and Deirdre Hart

Mountain Environments

GEOG412-18S2 - 0.25 EFTS

Understanding Earth-atmosphere interactions in mountain environments is crucial for the sustainable management of water resources, tourism and recreation. Students will develop theoretical and practical knowledge and skills, enabling them to collect, analyze and synthesize key atmospheric, cryospheric (snow and ice) and geospatial data relevant to current and future mountain research.

Coordinator: Heather Purdie

Students of GEOG 412 undertaking fieldwork