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Fieldwork Courses in Humanities

Archaeology

ANTH 324 Archaeological Practice

Examination of archaeological practice in applied and theoretical contexts, including field archaeology and resource management, with case studies from throughout the world. Students carry out actual site mapping during a supervised archaeological site visit and assessment.

Media, Film, and Communication

MFCO 216 New Zealand Cinema

This paper is designed as a study of New Zealand cinema in its institutional and historical context with regard to some key issues. These issues include: the political economy of filmmaking in New Zealand; the socio-historical context of both the subject matter and production environment of several films; problems that arise in trying to articulate precisely what "New Zealand cinema" is and, by extension, what New Zealand is and who New Zealand filmmakers are.

Visits to the Hocken and Central Libraries.



Fieldwork Courses in Business

Tourism

TOUR 219 Destination Management

Introduction to the management of tourism destinations. Includes an examination of accessibility and supply within the tourism system, demand forecasting and crisis management, stakeholder relations, strategic planning, promotion, evaluation and issues of sustainability.

This paper provides practical opportunities to engage with the external tourism sector. A highlight is the three-day, compulsory field trip, which enables the class to learn from the experience of tourism operators and planners at a destination.

TOUR 301 Cultural and Heritage Tourism

The nature of cultural and built heritage and their relationships with tourism. Issues include: the management of cultural systems for tourism; the identification, promotion and development of heritage as a sustainable heritage tourism product.

This paper includes an on-site field trip to a local heritage operation.

TOUR 306 Ecotourism and Sustainable Development

Historical context, development, structure of sustainably managed nature tourism and ecotourism. Business and tourism management implications for ecotourism operations; ecotourism/nature tourism destinations; indigenous, community development reliant on the sustainable use of natural resources. A fieldtrip to an operation site is included (if practical).

TOUR 418 Tourism Destination Development

Considers strategies relating specifically to tourist destinations, including relationships between stakeholders and tourism organisations, and the role of tourism in regional development.

To stay competitive and relevant in today's global economy, tourism destinations need to be ethically and sustainably developed, which will ensure their viability in the long run. This paper considers cutting-edge strategies related specifically to the management and development of tourism destinations in New Zealand and internationally. Students will engage with tourism industry stakeholders in a one-day fieldtrip to a regional destination to develop an operational tourism strategy.

Fieldwork Courses in Science

Botany

BTNY 202 Plant and Fungal Diversity

The diversity of land plants and fungi from the level of genes to biomes is explored using a range of hands-on techniques, with a particular emphasis on the New Zealand flora and species of value to human society. This paper includes field trips to the Dunedin Botanic Gardens and a weekend day trip to Leith Saddle (involves hiking).

BTNY 203 Marine and Freshwater Botany

The diversity, physiology and ecology of marine and freshwater plants, algae and cyanobacteria. The impact of human activities on these organisms will be explored, including global climate change, eutrophication, and invasive species.

A field trip to Brighton Beach will provide students with an opportunity to learn to take a shore profile and identify the different intertidal zones.

BTNY 301 Plant Ecology

Eco-physiological, systems, life-history and community perspectives on how plants respond to and influence their environment, across a range of terrestrial, freshwater and marine ecosystems.

Laboratory sessions and nine field sessions included.

Earth and Ocean Science

EAOS 111 Earth and Ocean Science

Your introduction to planet Earth, inside and out. The origin of our universe, oceans, mountains, climate change, and mass extinctions: it's all connected. Topics such as climate and atmospheric/oceanic circulation, plate tectonics and associated hazards, weathering and erosion/deposition, past and present life, glaciers and ice sheets, and the impact of humans on the planet are covered.

Two one-day field trips to North Otago and the Taieri Plains are included.

Ecology

ECOL 211 Ecology of Communities and Ecosystems

Focuses on how species interact, how these interactions build communities, how natural and human induced disturbances affect the integrity and sustainability of communities, and how an understanding of community and ecosystem-level processes can aid the restoration and management of natural areas for conservation.

The practical aspect of the paper will examine how communities respond to disturbance and examine how real communities and ecosystems are managed and rebuilt through visits to some local examples.

ECOL 212 Ecological Applications

Putting ecology into practice: in this paper we will examine how we apply ecological methods and theory to deepen our understanding of pressing societal issues and identify management and policy solutions that may be valuable to society.

A major component of the paper is a weekend field camp.

ECOL 313 Ecology Field Course

The techniques of field ecology; sampling strategies, design, procedures and equipment; an initiation to ecological research.

The underlying philosophy of the Ecology Programme is that students learn through the practice of doing research.

This paper involves a 7-day live-in field camp where students undertake an independent ecological research project under guidance.

ECOL 321 Ecology of Species Introductions and Invasions

Develops understanding of ecosystem changes resulting from accidental or planned species introductions, natural invasions, species removals, and reintroductions.

Includes invited guest lectures and 2-4 compulsory 3-hour field trips.

Geography

GEOG 101 Physical Geography

An introduction to the geographic study of the Earth's environmental systems, with particular emphasis on energy, landforms, vegetation, surficial materials and water. Includes laboratory studies, tutorials and field work. One half-day field trip is included in the course.

GEOG 286 Climatology

The focus of this paper is boundary layer climatology - i.e. how the land surface influences the weather and climate we experience. In this paper you will learn the basic fundamentals of climatology, and then apply them to understand how the presence of vegetation, mountains, water and urban environments influences weather and climate. Practical sessions will include both lab-based & computer-based exercises and field trips in the local Dunedin area.

GEOG 397 Environmental Management: Policy and Practice

Responses of societies to environmental problems, with emphasis on environmental management policy and practice in New Zealand. Includes a local fieldtrip.

Geology

GEOL 112 Dynamic Earth: A New Zealand Perspective

This paper explores the dynamic processes that shape planet Earth. A broad overview of plate tectonics, Earth structure and natural hazards is followed by lectures on Earth materials, resources and the geological history of Zealandia. Throughout the paper, emphasis is placed on examples from New Zealand. Three weekend full-day field trips are required.

GEOL 252 Field Studies and NZ Geology

Practical work in field observation, geological field mapping, field interpretation; basic geometry of structures; principles of lithostratigraphy and biostratigraphy; New Zealand geology and geological map interpretation. Students will enjoy two week-long residential field camps in Central Otago and Fiordland.

GEOL 264 Magmas and Volcanoes of Zealandia

Discover how magmatism has shaped Earth, how magma forms and evolves physically and chemically to make igneous rocks, and what controls its subterranean emplacement or volcanic eruption. One-day field trip to examine volcanic rocks of East Otago, plus a two-day field excursion to examine igneous rocks of the South Coast.

GEOL 265 Natural Hazards of NZ and Beyond

Investigate the physical basis, impact and mitigation of natural hazards associated with earthquakes, tsunamis, volcanoes, mass movement, floods, severe storms and environmental change. Local field trips will be undertaken to observe natural hazards.

GEOL 273 Modern and Ancient Sedimentary Systems

This paper links modern and ancient sediments to climate change, glaciations, mountain-building and tectonics. Students will examine sediment transport and deposition in terrestrial and marine environments. Two weekend day trips (back-to-back) along the South Otago Coast.

Marine Biology

MARI 112 Marine Biology: The Living Ocean

An introduction to physical, chemical and biological processes and their co-dependencies in the global ocean system. A varied and exciting introduction to the diversity of disciplines that constitute marine science, focusing on how the oceans came to be, marine biodiversity and ecology, and how human activities are threatening the marine environment.

Includes hands-on practical sessions and fieldtrips utilising the University's research vessels.

MARI 202 Ecology and Biology of Marine Invertebrates

Study of the biology, ecology and behaviour of marine invertebrates, with particular emphasis on New Zealand marine species and communities. Students explore adaptations of invertebrate groups to the marine environment in terms of comparative physiology and body architecture.

Two field exercises included.

MARI 301 Marine Ecology and Ecosystems

The ecology of marine organisms, their interactions, biotic and abiotic factors that influence patterns and ecological processes in benthic and pelagic environments.

Hands-on field manipulation experiment.

MARI 322 Coastal and Shelf Seas Oceanography

Interactions of biological and physical processes in the ocean and how physical processes regulate productivity and distribution of organisms in oceanic and coastal ecosystems, from the microscale to the macroscale. Coastal and open ocean field experiences included.

Sport, Physical Education and Exercise

SPEX 206 Te Pū o te Ora: Māori Physical Education and Health

An introduction to Māori understandings of physical education and health, comprised of four components: Māori worldview; Treaty of Waitangi; Kaupapa Māori; Applications.

This course has a compulsory 'Noho' marae (stayover) experience.

Surveying

SURV 120 Surveying and Spatial Science

An introduction to the field methods, equipment, and computational procedures used in surveying and spatial science to measure, map and analyse Earth's surface features and the built environment.

The practical hands-on component involves the use of various surveying instruments for measurement and data collection.

Zoology

ZOOL 221 Animal Designs for Living

The body plans of, and the relationships among, major animal phyla are examined using local fauna. Up to three field trips generate data that is manipulated and presented in report form.

ZOOL 318 Freshwater Ecology

The health of freshwater ecosystems is of critical importance in New Zealand and globally, and an understanding of the ecology of streams, lakes and estuaries is necessary to engage with freshwater management and policy.

This paper provides a grounding in basic and applied freshwater ecology through lectures, field trips and independent research projects.