

Memorial University of Newfoundland Department of Geography Course Offerings Fall 2023

| <i>Course</i> | <i>Instructor</i> | <i>Slot</i> | <i>Room</i> |
|--|--------------------|---------------------------|---------------|
| 1050 Geographies of Global Change provides perspectives on the major geographical challenges and changes facing the contemporary globe, including: climate and environmental change, sustainability, human development, economic globalization, cultural change, and population and migration. Using the integrative skills of geographical analysis, the course prepares students for advanced study in geography and citizenship in the modern world. <i>All 1050 sections follow Quantitative Reasoning course guidelines of the Faculty of Humanities and Social Sciences.</i> | D. Banoub (001) | 04 (11:00-11:50 M/W/F) | ED2018B |
| | D. Banoub (002) | 07 (2:00-2:50 M/W/F) | ED3034A |
| | D. Bavington (081) | 99 | Online Course |
| 2001 Cultural Geography is an introduction to the study of culture in geography, emphasizing both the history of the field from classic studies of landscapes to contemporary scholarship and themes including the relationship between nature and culture: imperialism and colonialism; place, identity, and power; and global cultures of commodities, media, and tourism. <i>PR: GEOG 1050, or permission of instructor</i> | D. Bavington | 99 | Online Course |
| 2102 Physical Geography: the Global Perspective is a study of form, process, and change in natural systems at and near the surface of Earth, viewed as human environment. Emphasis is on global and regional scales in the systematic study of climate, water, landforms and vegetation. <i>PR: GEOG 1050, or permission of instructor</i> | E. Edinger | 02 (9:00-9:50 M/W/F) | SN3058 |
| | | 62 (2:00-5:00 T) | SN2018 |
| | | 63 (2:00-5:00 W) | SN2018 |
| 2195 Intro to Geographic Information Sciences is an introduction to the fields of cartography, remote sensing, and geographic information systems (GIS). Geographic information collection, representation and analysis methods are the topics for the course. An emphasis is given to applications of maps and satellite images. <i>PR: none</i> | S. Cominelli | 17 (9:00-10:15 T/R) | SN2018 |
| 2302 Issues in Economic Geography covers basic issues and ideas in economic geography. The development of a regional economy will be related to underlying economic, cultural and physical factors. <i>PR: GEOG 1050, or permission of instructor</i> | D. Banoub | 23 (12:30-1:45 T/R) | SN2018 |
| 2425 Natural Resources is an introduction to the concepts of natural resources, environment and conservation: the nature and distribution of natural resources; methods of use, allocation and development of natural resources and the role of various physical, social, economic, political and technological factors influencing decision-making about resources. <i>PR: GEOG 1050, or permission of instructor</i> | R. Chuenpagdee | 11 (10:30-11:45 M/W) | SN2025 |
| 3120 Climatology is an analysis of the energy and moisture budgets and circulation of the atmosphere at the macro-scale, together with an examination of resulting climate characteristics for selected world regions <i>PR: GEOG 2102, or permission of instructor</i> | J. Finnis | 10 (9:00-10:15 M/W) | SN 2018 |
| | | 61 (2:00-5:00 M) | SN 2018 |
| 3140 Biogeography is the application of ecological concepts to the study of the spatial variation in the distribution of plant and vegetation. Laboratory work emphasizes terrestrial flora of Newfoundland. <i>PR: GEOG 2102; MATH 1000</i> | C. Brown | 17 (9:00-10:15 T/R) | SN 2025 |
| | | 62 (2:00-5:00 T) | SN 2025 |
| 3228 Field Methods in Geography strengthens student knowledge of the types of research activities undertaken by geographers in the field. Students gain an understanding of field methods that can be employed to collect data and address geographic research questions. In addition, the course provides an opportunity for students to share ideas and discuss with the instructors and their colleagues how to view a landscape through a geographer's eyes. <i>PR: the former GEOG 3226.</i> | C. Brown | 45 (9:00-12:00 F) | SN 2018 |
| 3650 Conservation Biology I : Introduction to Conservation (same as Biology 3650) is an introductory course surveying the broad and evolving discipline of Conservation Science. Students examine how basic biological and geographic principles are applied to the conservation of biological diversity in the natural world under conditions of exploitation, habitat loss, and climate change. Topics covered may include biodiversity assessment, endangered species assessment, threats to biodiversity, Indigenous-led conservation, protected areas, systematic conservation planning, and conservation economics, legislation, and policy. Special emphasis is given to relevant provincial examples. <i>PR: GEOG 2102 and GEOG 2425, or permission of the instructor</i> | E. Edinger | 18 (10:30-11:45 TR) | SN 2025 |
| | | 64 (2:00-5:00 R) | SN 2018 |
| 4150 Environmental Change and Quaternary Geography (Same as ARCH 4150 and EASC 4703) examines methods of reconstructing quaternary environments, effects of quaternary environmental change on landforms, with special reference to North America, development and characteristics of glacial and non-glacial climates. <i>PR: 6 credit hours in Physical Geography or in Archaeology at the 3000-level, or permission of the instructor</i> | P. Ledger | 12 (12:30-1:45 M/W) | QC 2013 |
| | | 63 (2:00-5:00 W) | QC 2013 |
| 4261 Advanced Methods in Geographic Information Systems (GIS) explores the nature and use of advanced GIS algorithms, discrete and continuous data structures, computational methods and analysis of error for the purpose of analysing and modelling spatial patterns and processes. Laboratory exercises permit students to use GIS software to explore as well as develop problem solving and modelling skills for a wide variety of real world applications <i>PR: GEOG 3260; MATH 2050; CS 1001 (or equivalent with Department Head approval)</i> | M. Masoudi | 17 (9:00-10:15 T/R) | SN 2000 |
| | | 61 (2:00-5:00 M) | SN 2011 |

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| 4300 World Fisheries: Current Discourse and Future Directions is a seminar course on the key concepts, principles and challenges in fisheries resources worldwide. Topics of discussion include the state of world fisheries, analysis of various management approaches and tools, and future scenarios for world fisheries. <i>PR: 6 CH at the 3000-level in Geography or permission of instructor</i> | R. Chuenpagdee | 62 (2:00-5:00 T) | SN 2000 |
| 490A Geography in Action I Is the first half of a two semester linked course, built around geography-related issues that integrate natural and social science perspectives. Each year, students will address specific challenges faced by a client, NGO, or research group in the province. Through this process, students will reflect on the conceptual and practical challenges faces by practicing geographers. <i>CH: 3 PR: GEOG 3222; GEOG 3228</i> | J. Lepawsky | 43 (9:00-12:00 W) | SN2000 |
| 4999 Dissertation is required for the Honours degree. | Faculty | 99 | |
| 6000 Development of Geographical Thought and Practice I is a required course for all graduate students in Geography. | A. Keeling | 64 (2:00-5:00 R) | SN2000 |
| 6120 Geospatial Modelling and Analysis explores the nature and use of advanced GIS algorithms, discrete and continuous data structures, computational methods and analysis of error for the purpose of analysing and modelling spatial patterns and processes. Laboratory exercises permit students to use GIS software to explore as well as develop problem solving and modelling skills for a wide variety of real world applications. This course is a graduate version of GEOG 4261. | M. Masoudi | 17 (9:00-10:15 T/R) 61 (2:00-5:00 M) | SN 2000 SN 2011 |
| 6300 Problems in Fisheries Geography is a seminar course on the key concepts, principles and challenges in fisheries resources worldwide. Topics of discussion include the state of world fisheries, analysis of various management approaches and tools, and future scenarios for world fisheries. This course is a graduate version of GEOG 4300. | R. Chuenpagdee | 62 (2:00-5:00 T) | SN 2000 |
| 6410- Climatology is an analysis of the energy and moisture budgets and circulation of the atmosphere at the macro-scale, together with an examination of resulting climate characteristics for selected world regions. This course is a graduate version of GEOG 3120. | J. Finnis | 10 (9:00-10:15 M/W) 61 (2:00-5:00 M) | SN 2018 SN 2018 |
| 9000 – Graduate Registration | | | |
| 9991 – Comprehensive Exam | | | |

Please note that the authoritative source for course offering information is the Office of the Registrar. Course information provided here is for planning purposes and should be double checked before the start of the semester. This listing may be adjusted/updated by the department.