

patterns of production and manufacturing; the distribution of goods and services; and the role of multinationals, global marketing strategies and outsourcing. It also investigates issues and challenges from global to local economies; including population growth and development, poverty and unemployment, and environmental sustainability.

*NB:* Offered every other year.

Cross-listed: ECON 350.

Prerequisite(s): 6 sem. hrs. of Geography including one of GEOG 111, 131; 212, or 230; or instructor's consent. (0-0; 3-0)

#### **GEOG 355 Geography of Urban Areas (3 sem. hrs.)**

This course focuses on the origin, physical environment, and structure of urban settlements; the growth and processes of urbanization; and the impact of globalization on urban centres. It investigates societal issues common to urban environments including; poverty, homelessness, substance abuse, criminality, environmental degradation and deterioration of the built environment. It also provides an overview of urban renewal and planning processes.

*NB:* Offered every other year.

Prerequisite(s): 6 sem. hrs. of Geography including one of GEOG 111, 131; 212, or 230; or instructor's consent. (3-0; 0-0)

#### **GEOG 356 Urban and Regional Planning (3 sem. hrs.)**

This course provides a comprehensive introduction to the principles, problems, and techniques of urban, suburban, rural, and regional land use planning. It focuses on the elements and make-up of the comprehensive plan, the politics of planning, and the assessment of economic, social and environmental plans.

*NB:* Offered every other year.

Prerequisite(s): 6 sem. hrs. of Geography including one of GEOG 111; 212; 355 or instructor's consent. 1(0-0; 3-0)

#### **GEOG 382 Applied Geographic Information Systems (3 sem. hrs.)**

This course focuses on the utility of Geographic Information Systems in problem solving and decision-making in real world settings. Students will be expected to carry out a major term project in consultation with the instructor.

*NB:* Offered every other year.

Prerequisite(s): 6 sem. hrs. of Geography including GEOG 282, or instructor's consent. (0-0; 3-2)

#### **GEOG 383 Geographic Data Analysis (3 sem. hrs.)**

This course focuses on the use of quantitative methods as an aid to problem-solving in the geographical and environmental sciences. Topics include sampling and data collection; methods of statistical description; and methods of statistical inference and hypothesis testing.

*NB:* Offered every other year.

Prerequisite(s): 6 sem. hrs. of Geography. (0-0; 3-2)

#### **GEOG 391, 392 Directed Studies in Geography (3 sem. hrs.)**

In special cases, with the instructor's consent, students may pursue an independent but guided reading and research course in a specialized area of Geography of interest to students.

Prerequisite(s): 6 sem. hrs. of Geography, and instructor's consent. See Geography Coordinator. (3-0 or 3-0)

#### **GEOG 400 Special Topics in Geography (3 sem. hrs.)**

A study of special topics or issues in Geography that are not considered in depth in other courses.

*NB:* Not offered every year. See Geography Coordinator.

Prerequisite(s): 6 sem. hrs. of Geography, third or fourth year standing, or instructor's consent. (3-0 or 3-0)

#### **GEOG 411 Rural Development (3 sem. hrs.)**

The course is designed to introduce students to the broad concept of rural development, to the relationship between rural communities and their environments, and to the critical issues of rural restructuring and sustainability. This course examines the theoretical underpinnings, principles, and practices of rural development as well as the problems

and challenges facing rural communities in both developed and developing countries. It is expected that, by the end of the course, students will gain and/or broaden their knowledge of contemporary domestic and international rural development processes, practices, and issues.

*NB:* Offered every other year.

Prerequisite(s): 6 sem. hrs. of Geography, third or fourth year standing, or instructor's consent. (0-0; 3-0)

#### **GEOG 442 Environmental Thought (3 sem. hrs.)**

A survey of the origin and development of those streams of geographic thought reflecting people's relationship to the natural environment. The course includes discussions within the context of Christian and non-Christian alternatives, of the development of a responsible Christian environmental ethic and its application to global environmental issues.

*NB:* Offered every other year.

Cross-listed: ENVS 442.

Prerequisite(s): 6 sem. hrs. of Geography, third or fourth year standing, or instructor's consent. (3-0; 0-0)

#### **GEOG 441 Resource Management in British Columbia (3 sem. hrs.)**

This course offers a detailed examination of natural resource management issues in British Columbia. It asks participants to consider selected B.C. environmental issues in a broad context by posing a number of questions: What do we mean when we use the term environment? What is problematic? To whom? What is the response? How do we apply what we learn within the context of sustainability and stewardship of Creation? Course themes such as the case of Pacific salmon within the Fraser River Watershed will be utilized.

*NB:* Offered every other year.

Prerequisite(s): 6 sem. hrs. of Geography, third or fourth year standing, or instructor's consent. (0-0; 3-0)

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## **GEOLOGY**

#### **GEOL 109 Introduction to Physical Geology (3 sem. hrs.)**

An introduction to the materials and processes of the physical Earth: rocks and minerals, earth structure and composition, plate tectonics, vulcanology, seismology, crustal deformation, weathering and erosion, slope movement, sedimentation, wind and water processes, glaciation, and geologic time. Earth materials and processes are studied in the laboratory and in the field. This course is an Environmental Studies core requirement.

*NB:* Fulfills the academic core laboratory science requirements.

Prerequisite(s): None. (3-3; 0-0)

#### **GEOL 220 Geology of the Vancouver Region (3 sem. hrs.)**

An overview of the fundamental earth science processes responsible for the creation, transformation, and ongoing physical development of western North America. These processes are studied in the context of the building of the North American continent through tectonic forces and surface dynamics. Topics include geologic time, tectonics, vulcanology, seismology, stratigraphy, glaciation, erosion, paleontology, paleoclimatology, and environmental issues. The objective of the course is to familiarize students with the physical environment around them so they may take a more active role in the stewardship of the Earth. Field trips and field studies are included.

*NB:* Fulfills the academic core natural science requirements.

Cross-listed: GEOG 220.

Prerequisite(s): None. (0-0; 3-0)

#### **GEOL 321 Geography of Soils (3 sem. hrs.)**

A scientific investigation of the various aspects of soil as a natural resource. Topics include physical, chemical and biological characteristics of soils applied in the context of soil formation, soil classification and land use, agriculture, and environmental engineering. Soil mapping and spatial distribution of soils is also considered. Field trips and field studies are required.

*NB:* Offered every other year. Fulfills academic core natural science requirements.

Cross-listed: GEOG 321.

Prerequisite(s): 6 sem. hrs. of Geography including one of GEOG 121, 131; 220; or GEOL 109; 220; or instructor's consent. (3-3 or 0-0)

### **GEOL 320 Geomorphology (3 sem. hrs.)**

The scientific examination of the physical processes which shape landform development, structure and dynamics. Topics include weathering, slope systems, fluvial and coastal environments, and glacial and periglacial systems. Special emphasis is placed on deciphering past events from current landscape structures. Field trips and field studies are required. *NB:* Offered every other year. Fulfills academic core natural science requirements.

Cross-listed: GEOG 320.

Prerequisite(s): 6 sem. hrs. of Geography including GEOG 121, 131; 220; or GEOL 109; 220, or instructor's consent. (3-2 or 0-0)

For further course listings, see **Au Sable Institute of Environmental Studies listings (under Environmental Studies heading)**.

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## GERMAN

### **GERM 101, 102 Introduction to German (3, 3 sem. hrs.)**

An introduction to German for those with no previous knowledge of the language. Course includes intensive practice in both spoken and written German, as well as cultural content. Integrated laboratory program.

Prerequisite(s): None for GERM 101; GERM 101 is a prerequisite for 102. (3-1; 3-1)

### **GERM 113, 114 German Conversation (3, 3 sem. hrs.)**

As a continuation of German 102, the focus is on oral communication. Cultural and social concerns of contemporary Germany, Austria, and Switzerland are discussed. Each week includes a comprehensive grammar review. Field trips to German churches, restaurants, and theatre productions are undertaken whenever possible.

*NB:* Not offered every year. See Department chair.

Prerequisite(s): GERM 102 or instructor's consent. (3-1; 3-1)

### **GERM 201, 202 Intermediate German (3, 3 sem. hrs.)**

An intermediate language course designed to develop the student's fluency in reading, writing, speaking, and listening comprehension. Grammar and composition are systematically reviewed, and students are introduced to German literature and culture through short fiction, as well as excerpts from documents and articles.

*NB:* Not offered every year. See Department chair.

Prerequisite(s): GERM 101, 102 or equivalent. (3-1; 3-1)

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## GREEK

### **GREE 235, 236 Elementary New Testament Greek (3, 3 sem. hrs.)**

This basic introduction to Koine Greek is designed to prepare the student for reading the Greek New Testament, including a reading of the Johannine epistles.

Cross-listed: RELS 235, 236.

Prerequisite(s): None for 235; GREE 235 is a prerequisite for 236. (3-0; 3-0)

### **GREE 331, 332 Readings in the Greek New Testament (3, 3 sem. hrs.)**

A reading of selected texts from the Greek New Testament, including a study of syntax and an introduction to exegetical methodology.

Cross-listed: RELS 331, 332.

Prerequisite(s): GREE 235, 236; or RELS 235, 236. GREE 331 is a prerequisite for 332. (3-0; 3-0)

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## HEBREW

### **HEBR 245, 246 Elementary Biblical Hebrew and Exegesis (3, 3 sem. hrs.)**

An introduction to the grammar and vocabulary of biblical Hebrew, designed to prepare the student for serious reading and study of the Hebrew Bible.

*NB:* Formerly HEBR 335, 336.

Cross-listed: RELS 245, 246.

Prerequisite(s): None for 245; HEBR 245 is a prerequisite for 246. (3-0; 3-0)

### **HEBR 337, 338 Readings in the Hebrew Bible (3, 3 sem. hrs.)**

A reading of selected texts from the Hebrew Bible, including a study of Hebrew syntax and an introduction to exegetical methodology.

*NB:* Formerly HEBR 431, 432.

Cross-listed: RELS 337, 338.

Prerequisite(s): HEBR 245, 246; or RELS 245, 246.

HEBR 337 is a prerequisite for 338. (3-0; 3-0)

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## HISTORY

### **HIST 107, 108 World History (3, 3 sem. hrs.)**

An overview of the world's major civilizations including Europe, Asia, Africa, India, and Latin America. The spreading European influence on the world with a sampling of the historical experience of various cultural areas of the globe. HIST 107 examines world civilizations to 1750; HIST 108 covers world civilizations from 1750 to 1945.

Prerequisite(s): None. (2-1; 2-1)

### **HIST 109 World History Since 1945 (3 sem. hrs.)**

An overview of the world's major civilizations since the last year of World War II, a period of profound global transformation marked by the Cold War, the escalation of intra-state conflicts in the wake of the end of the Cold War, and evolving ideas of human security.

Prerequisite(s): None. (3-0; 3-0)

### **HIST 111, 112 History of Western Civilization (3, 3 sem. hrs.)**

A survey of Western civilization beginning with ancient Greece and ending with its modern expression in the Western world. The development and decline of democracies; relationships between the poor and the wealthy, between men and women; changes in the nature of the family; the resolution of social tensions and conflict. HIST 111 considers the ancient to early modern period; HIST 112 explores early modern to contemporary western society.

Prerequisite(s): None. (2-1; 2-1)

### **HIST 135, 136 History of Canada (3, 3 sem. hrs.)**

The political, economic, and social aspects of Canada's development from the geologic time to the 20th century. HIST 135 examines the First Nations, French, and British eras up to the time of Confederation. HIST 136 traces the development of Canada since 1867.

Prerequisite(s): None. (2-1; 2-1)

### **HIST 231 History of Nursing (3 sem. hrs.)**

This course examines the development of Canadian nursing over the past four centuries, with an emphasis on the 20th century. Based on an understanding of nursing as rooted in a Christian ethos of caring for strangers, this course critically explores the ways in which religion, politics, gender, race, economics, technology, culture, war, and epidemics have influenced the development of nursing both nationally and globally.

Cross-listed: NURS 231

Prerequisite(s): None (3-0; 3-0)

### **HIST 251, 252 History of the United States of America (3, 3 sem. hrs.)**

An introduction to the social, cultural, political, and economic development of the United States from the