

Department of Geography

Head: A. MacFherson

Original SM 31.166

(SM 24/1/66)

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Course Requirements in First Four Semesters

Students who plan to study Geography should normally obtain credit for the courses listed below in their first four semesters:

For general programme - major in Geography

- (a) Geography 101 and either 161-3 or 162-3
- (b) Geography 211-3, 221-3, 241-3

For honours programme in Geography -

- (a) Geography 101-3 and either 161-3 or 162-3
- (b) Geography 211-3, 221-3, 241-3
- (c) Honours students in Geography are advised to include a course in statistics before entering their upper years.

Foreign Languages: Most graduate schools require some proficiency in one or two foreign languages. Those who contemplate graduate studies in this field are advised to include foreign language courses at some stage of their undergraduate programme.

Students with advanced credit or claiming advanced standing in Geography should consult the Head of the Department, or one of the faculty in Geography, concerning the structure of their programme.

Upper Level Course Requirements:

For General programme - major in Geography

- (a) Two courses from Division A.
- (b) One course from Division B.
- (c) Geography 462-5 and one other course from Division C.
- (d) One course selected from those listed under Divisions A, B, and D

For Honours programme in Geography

- (a) Two courses from Division A
- (b) One course from Division B
- (c) Geography 462-5 and one other course from Division C.
- (d) All the courses in Division E
- (e) Two additional 5-unit courses.

Division A Geography 311-5, 312-5, 321-5, 331-5, 341-5.

Division B Geography 412-5, 421-5, 422-5, 423-5, 424-5, 441-5, 442-5, 443-5.

Division C Geography 461-5, 462-5, 463-5, 464-5, 465-5, 466-5, 467-5, 468-5.

Division D Geography 404-5, 444-5, 451-5, 481-5.

Division E Geography 401-2, 402-3, 491-5.

Description of Courses

SM 3/1/66

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Geography

101-3 General Geography

Introducing basic geographical concepts and methods; an analysis of systematic and regional approaches to Geography. (2-1-0)

161-3 Geography of Europe

An introduction to the study of the geographical character of the continent of Europe. An examination on a regional resource basis; other geographical implications focusing on contemporary problems and future development. (2-1-0)

162-3 Geography of North America

An introduction to geography based on an examination of the geographical character of the continent; internal unity and disunity, regional monographs, North American hegemony and national outlooks. (2-1-0)

211-3 Physical Geography

An introduction to climate, landforms, soils, vegetation; their origins, interrelationships, and world distributions. Laboratory work and field trips are included. (2-1-0)

Prerequisite: Geography 101-3, or 161-3 or 162-3 or Grade 13 Geography or permission of the department.

221-3 Economic Geography

Introduces the basic concepts of Economic Geography involving consideration of the geographical aspects of world economies and resources, developing countries, location theory, macroeconomics, transportation, etc. (2-1-0)

Prerequisite: Geography 101-3 or 161-3 or 162-3 or Grade 13 Geography or permission of the department.

241-3 Social Geography

An introduction to basic cultural, sociological, political, and demographic concepts which contribute to an understanding of the spatial existence of man and of his impact on the physical environment. (2-1-0)

Prerequisite: Geography 101-3 or 161-3 or 162-3 or Grade 13 Geography or permission of the department.

Upper Level Courses

Division A

311-5 Geomorphology

An examination of landforms; processes, laws, and theories of development; types and distributions. (2-2-1)

Prerequisite: Geography 211-3 or permission of the department.

312-5 Climatology I

SM 31.166 *Curran*

An examination of the basic principles of Climatology; methods of climate classification and description; local and micro-climates; climate changes. (2-2-1)

Prerequisite: Geography 211-3 or permission of the department.

321-5 Economic Geography

A detailed consideration of theoretical and empirical approaches to the geographical study of economic activities and location; the spatial interrelationships and changes in organization. (2-2-1)

Prerequisite: Geography 221-3 or permission of the department.

331-5 Biogeography

An introduction to the biological elements of man's environment; the course will consider distributions of vegetation and soil types and the principles of soil and vegetation surveying and mapping. Particular attention will be paid to the biogeography of western Canada. (2-2-1)

Prerequisite: Geography 211-3 or permission of the department.

341-5 Cultural Geography

A critical analysis of changing spatial organization of selected world cultures and societies. Theoretical and empirical approaches; cultural ecology, diffusion, environment and social behaviour, resource utilization and power structure, spatial structure of life styles -- slums and elite residential patterns. (2-2-1)

Prerequisite: Geography 241-3 or permission of the department.

Division B

412-5 Climatology II

An introduction to applied aspects of climatology; climatological aspects of resource utilization, with particular reference to land use potential. (2-2-1)

Prerequisite: Geography 312-5

421-5 Geography of Resource Development

An introduction to the geographical aspects of development and management of natural resources. Particular attention will be given to contemporary problems in western Canada.

Prerequisite: Geography 321-5 or 341-5 or permission of the department.

422-5 Geography of Transportation

A geographical study of "circulation" including consideration of spatial interaction, regional development, highway impact and cost benefit studies, urban transportation problems, etc.

Prerequisite: Geography 321-5 or 341-5 or permission of the department.

423-5 Geography of Manufacturing

SM 31/166

Analysis of linkages, structure, and distribution of manufacturing, taking selected industries and studying location and development factors.

Prerequisite: Geography 321-5 or permission of the department.

424-5 Geography of Primary Production

An examination of the geographical distribution of primary production and of the controlling principles.

Prerequisite: Geography 321-5 or permission of the department.

441-5 Geography of Urban Regions

An application of normative theories of spatial structure and environmental control to contemporary urban problems, based on comparisons between Canadian and other world urban regions. Emphasis will be placed on laboratory and field work.

Prerequisite: Geography 321-5 or 341-5 or permission of the department.

442-5 Geography of Fringe Regions

A study of physically, socially, and economically marginal areas in terms of their processes of occupancy and development; emphasis will be placed on changing resource appraisal, utilization, and spatial organization.

Prerequisite: Geography 321-5 or 341-5 or permission of the department.

443-5 Population Geography

A geographical study of the application of theories of population growth, demographic techniques, etc.; a consideration of the implications of these on the distribution and evolution of population in selected areas.

Prerequisite: Geography 321-5 or 341-5 or permission of the department.

Students taking this course should have already taken an elementary course in statistics.

Division C

461-5 Western Europe

An examination of the special geographical character of Western Europe and of its current political, economic, and social patterns.

462-5 Canada

An advanced geographical analysis of Canada; emphasizes territorial differentiation in cultures, regional resource problems, interregional resource conflicts, and the geographical basis for national unity.

463-5 United States of America

A detailed examination of particular geographical problems in the United States of America.

464-5 Intertropical Africa

SM 31/166

A study of problems of low latitude regions and of developing countries, with special reference to Africa.

465-5 Middle East

A geographical analysis of a developing region, considering problems of subsistence agriculture, rapid urbanization and industrialization, resource development, political control.

466-5 South and south-east Asia

An advanced geographical analysis of India and south-eastern Asia, emphasizing areal differentiation of cultural and natural environments, resource and national space conflicts, regional development, urbanization and external linkages with world powers.

467-5 Latin America

A geographical survey of Latin America, including Spanish and Portuguese South America, Mexico and Central America. Environmental problems and national unities, economic enclaves and regional variations in cultural and economic growth.

468-5 U.S.S.R.

An analysis of the Soviet Union in terms of historical, ideological, and geographical influences, considering industry, urban growth, problems of agriculture, Soviet economic planning.

Division D

404-5 Honours Seminar

The subject matter of this course will vary from time to time, depending on need and opportunity.

444-5 Historical Geography

451-5 Cartography

481-5 Political Geography

Division E

Courses in Group E are open only to candidates for Honours in Geography.

401-2 Introduction to Observations in the Field

Demonstration and practice in the techniques of field study, including methods from all the systematic branches of geography.

402-3 Geographical Methodology

A basis for independent geographical research, types of explanations, theory and hypothesis formulation, geographical testing and research design. To be taken in conjunction with the honours essay.

491-5 Honours essay

All candidates will be required to submit a major paper on a geographical topic to be selected in consultation with the Head of the Department. This essay will involve a review of original work on the topic, and the candidate will be expected to contribute original field work.