

**SIMON FRASER UNIVERSITY**

**MEMORANDUM**

**To:** Senate

**From:** L. Salter  
Chair, SCAP

**Subject:** Department of Geography -  
Curriculum revisions  
Reference: SCUS 89-18  
SCAP 89-34

**Date:** November 9, 1989

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Action undertaken by the Senate Committee on Academic Planning/Senate Committee on Undergraduate Studies gives rise to the following motion:

**Motion:**

"That Senate approve and recommend approval to the Board of Governors as set forth in S.89-50 the proposed

New courses	GEOG 264 - 3	Canadian Cities
	GEOG 311 - 4	Hydrology"

**For Information:**

Course revision and prerequisite changes.

**SIMON FRASER UNIVERSITY**

**MEMORANDUM**

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TO: Ellen Gee, Chair  
Faculty of Arts  
Curriculum Committee

FROM: R.B. Sagar, Chair  
Undergraduate Studies  
Dept. of Geography

SUBJECT: Calendar Changes      DATE: June 23, 1989

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The Department of Geography proposes the following changes for the 1990-91 Calendar.

New courses: GEOG 264-3 and GEOG 311-4

GEOG 264, Canadian Cities, will expand the Department's offerings in the existing group of urban geography courses. This course will be attractive to Canadian Studies students, and to those students completing GEOG 100 and GEOG 162.

GEOG 311, Hydrology, is a reintroduction of a course that was dropped one year ago because of limited faculty resources. The Department has now hired a new faculty member, Dan Moore, and the course reflects his teaching and research interests.

Course Revisions: GEOG 261, GEOG 325, and GEOG 362

GEOG 261, Introduction to Urban Geography, is a revision of GEOG 361. As an introductory course, it is best taught at the 200 level where it can act as a prerequisite for urban studies courses that follow at the 300 and 400 level.

GEOG 325, Geography of Service Activities. The change in prerequisite reflects the move of GEOG 361 to 261. GEOG 261 serves to prepare students for GEOG 325 and can be an alternative prerequisite to GEOG 221.

GEOG 362, Geography of Urban Development. The change in prerequisite reflects the move of GEOG 361 to 261. GEOG 261 serves to prepare student for GEOG 362 and can be an alternative prerequisite to GEOG 241.

SENATE COMMITTEE ON UNDERGRADUATE STUDIES

NEW COURSE PROPOSAL FORM

1. Calendar Information

Department GEOGRAPHY

Abbreviation Code: GEOG Course Number: 264 Credit Hours: 3 Vector: 2-1-0

Title of Course: CANADIAN CITIES

Calendar Description of Course: This course will provide a systematic introduction to urbanization in Canada. Topics addressed will include Canadian urbanization as compared with other nations, especially the United States, metropolitan centres, resource towns, and the internal structure of cities.

Nature of Course: Lecture/Tutorial

Prerequisites (or special instructions):

GEOG 100-3 or GEOG 162-3 or Permission of Instructor

What course (courses), if any, is being dropped from the calendar if this course is approved:

NONE

2. Scheduling

How frequently will the course be offered? Once per year

Semester in which the course will first be offered? 90-3

Which of your present faculty would be available to make the proposed offering possible? L.J. Evenden, E.M. Gibson

3. Objectives of the Course

To provide a survey of processes and patterns of the contemporary urban experience in Canada; to support the offerings in urban studies, especially in the Harbour Centre Campus.

4. Budgetary and Space Requirements (for information only)

What additional resources will be required in the following areas:

Faculty NONE

Staff NONE

Library NONE

Audio Visual NONE

Space NONE

Equipment NONE

5. Approval

Date: June 22/89 25 Sept, 1989 00000000

[Signature]  
Department Chairman

[Signature]  
Dean

[Signature]  
Chairman, SCUS

SCUS 73-34b:- (When completing this form, for instructions see Memorandum SCUS 73-34a. Attach course outline).

## Geography 264 - Canadian Cities - Course Outline

### INTRODUCTION

1. Overview: the urban development of Canada
2. The distinctiveness and variety of Canadian cities
3. The nature of urban geographic enquiry in Canada

### THE NATIONAL URBAN SYSTEM AND ITS PARTS

4. Canadian Regionalism as seen through the evidence of cities
5. What cities do: approaches to their functional structure
6. The metropolis - hinterland thesis
7. Single industry towns: uniquely Canadian aspects

### THE INTERNAL STRUCTURE OF CITIES

8. Models of urban development in the twentieth century
9. The dwelling: the most intimate structure, the most prominent land use
10. Approaches to townscape analysis
11. Urban development in relation to transport structures and technologies

### EMERGING THEMES

12. The inner city dynamic
13. Suburbanization
14. Specialization of the 'urban realm' by district
15. Planning, the urban experience, and changing urban landscapes
17. The Canadian city in 2001
18. Case studies

SENATE COMMITTEE ON UNDERGRADUATE STUDIES

NEW COURSE PROPOSAL FORM

1. Calendar Information

Department Geography

Abbreviation Code: GEOG Course Number: 311 Credit Hours: 4 Vector: 2-0-2

Title of Course: Hydrology

**Calendar Description of Course:**

An introduction to hydrology; examination of the global hydrological cycle and its components; description and analysis of the processes of water movement and storage.

Nature of Course Lecture/Laboratory

**Prerequisites (or special instructions):**

GEOG 111 and one of GEOG 213 or 214.

What course (courses), if any, is being dropped from the calendar if this course is approved:

2. Scheduling

How frequently will the course be offered? once a year

Semester in which the course will first be offered? 91-1

Which of your present faculty would be available to make the proposed offering possible? D. Moore, W.G. Bailey, M.C. Roberts

3. Objectives of the Course

To provide a systematic introduction to the study of hydrology.

4. Budgetary and Space Requirements (for information only)

What additional resources will be required in the following areas:

Faculty None

Staff "

Library "

Audio Visual "

Space "

Equipment "

5. Approval

Date: June 22/89 25 Sept /89 OCT 03 1989

Roger Hunter  
Department Chairman

Ellen Gier  
Dean

RS  
Chairman, SCUS

SCUS 73-34b:- (When completing this form, for instructions see Memorandum SCUS 73-34a. Attach course outline).

HYDROLOGY

Outline: An introduction to hydrology; examination of the global hydrological cycle and its components; description and analysis of the processes of water movement and storage.

Prerequisite: At least 30 credit hours including Geography 111 or 112.

- Literature Sources:
1. Textbook - Ward, R.C. 1975: Principles of Hydrology (Second Edition) McGraw-Hill Ltd., London, 367 pp.
  2. References - Readings, handouts and articles from other sources will be assigned to go with specific lecture topics. Some of this material will be put on Reserve in the library.

<u>Evaluation Scheme:</u>	Laboratory assignments (6)	30
	Field trip report	15
	Mid-term test	25
	Final examination	<u>30</u>
		100

Organization: One 2-hour lecture and one 2-hour laboratory session per week.

Lecture: Tuesday 17:30-19:30 K8507  
Labs.: Group 1 15:30-17:30 CC7110  
Group 2 17:30-19:30 CC7110

<u>Lecture Topics:</u>	<u>Textbook</u>
1. Introduction to hydrology (S10,17)	p. 1-15
2. Precipitation (S24, 01)	p. 16-70
3. Runoff (08, 015)	p. 238-310
4. Evaporation and transpiration (029, N5)	p. 71-131
5. Soil moisture (N12)	p. 132-182
6. Groundwater (N19)	p. 183-237
7. Snow and ice (N26, D3)	—

Laboratory Schedule:

Week of September	2	no lab.
	9	no lab.
	16	Lab. 1 (Intro. to hydrology)
	23	Lab. 2 (Precipitation)
	30	Preparation for field trip
October	7	Field trip data analysis
	14	Review for Mid-term
	21	no lab.
	28	Lab. 3 (Runoff)
November	4	Lab. 4 (Evaporation)
	11	Lab. 5 (Soil water)

Laboratory Schedule: (continued)

Week of November 18 Lab. 6 (Applied hydrology)  
25 Review session

Field Trip: A field trip is scheduled for Saturday October 5 and Sunday October 6. Attendance is mandatory. A fee will be charged to help offset costs.

A field trip report will be required from each student (due October 30).

Mid-Term Examination: A mid-term examination is scheduled for October 22. It will be held during the lecture session (duration 2 hours). Its format will be short answer.

Final Examination: The final examination will be scheduled during the December examination period. The exam format will be short answer and essay.

**COURSE PROPOSAL FORM****1. Calendar Information**Department GeographyAbbreviation Code: GEOG Course Number: 261 Credit Hours: 3 Vector: 2-1-0Title of Course: Introduction to Urban Geography**Calendar Description of Course:**

This course will introduce basic concepts in the study of urban geography by systematically identifying and examining major components of urban structure. (Lecture Seminar)

**Nature of Course**

Lecture/Tutorial

**Prerequisites (or special instructions):**

Geography 100-3 or 102-3. Students who have taken Geog 361-4 can not take this course for further credit.

What course (courses), if any, is being dropped from the calendar if this course is approved:

Geography 361-4 Introduction to Urban Geography

**2. Scheduling**

How frequently will the course be offered? 2 X per year

Semester in which the course will first be offered?

Which of your present faculty would be available to make the proposed offering possible?

L.J. Evenden, W. Gill, N. Blomley

**3. Objectives of the Course**

To introduce students to ways in which the city and urban processes can be understood from geographical perspectives. The change of level from 300 to 200 implies coverage at a slightly less advanced level.

**4. Budgetary and Space Requirements (for information only)**

What additional resources will be required in the following areas:

Faculty	None
Staff	"
Library	"
Audio Visual	"
Space	"
Equipment	"

**5. Approval**

Date: June 22/89 25 Sept /89 OCT 03 1989

Roger Kaye  
Department Chairman

E. J. ...  
Dean

R. S. ...  
Chairman, SCUS

SCUS 73-34b:- (When completing this form, for instructions see Memorandum SCUS 73-34a. Attach course outline).

Arts 78-3



SENATE COMMITTEE ON UNDERGRADUATE STUDIES

REVISION

NEW COURSE PROPOSAL FORM

CHANGE OF PRE-REQUISITE ONLY

Department Geography

1. Calendar Information

Abbreviation Code: GEOG Course Number: 362 Credit Hours: 4 Vector: 2-

Title of Course: Geography of Urban Development

Calendar Description of Course:

This course will apply the principles of urban geographical analysis to the study of urbanization as exemplified in the development of cities in Europe and North America. (Lecture/Tutorial)

Nature of Course Lecture \ Tutorial

Prerequisites (or special instructions):

At least 30 hours including either Geography 241 or 261.

What course (courses), if any, is being dropped from the calendar if this course is approved:

N/A

2. Scheduling

How frequently will the course be offered? 1 X per year as has been customary

Semester in which the course will first be offered? ...?

Which of your present faculty would be available to make the proposed offering possible?

L.J. Evenden

3. Objectives of the Course

To examine the development of cities in North America and Europe in light of principles of urban geographical analyses.

4. Budgetary and Space Requirements (for information only)

What additional resources will be required in the following areas:

Faculty	None
Staff	"
Library	"
Audio Visual	"
Space	"
Equipment	"

5. Approval

Date: June 22 / 89 25 Sept / 89 OCT 03 1989

Department Chairman Dean Chairman, SCUS

SCUS 73-34b:- (When completing this form, for instructions see Memorandum SCUS 73-34a. Attach course outline).

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NEW COURSE PROPOSAL FORM

1. Calendar Information

Department Geography

Abbreviation Code: GEOG Course Number: 325 Credit Hours: 4 Vector: 2-2-0

Title of Course: Geography of Service Activities

Calendar Description of Course:

Central place theory, marketing and retail location, urban economic base, land use models, and tourism.

Nature of Course Lecture/Tutorial

Prerequisites (or special instructions):

GEOG 221 or GEOG 261

What course (courses), if any, is being dropped from the calendar if this course is approved:

2. Scheduling

How frequently will the course be offered? 1 X per year

Semester in which the course will first be offered? Already taught (89-3)

Which of your present faculty would be available to make the proposed offering possible? T.K. Poiker, W. Gill, N. Blomley, R. Hayter

3. Objectives of the Course

To provide students with a comprehensive understanding of the locational dynamics of the retail sector in cities.

4. Budgetary and Space Requirements (for information only)

What additional resources will be required in the following areas:

Faculty N/A  
 Staff N/A  
 Library N/A  
 Audio Visual N/A  
 Space N/A  
 Equipment N/A

5. Approval

Date: June 22/89 25 Sept /89 OCT 03 1989

Pop Hude  
 Department Chairman

Ellen G...  
 Dean

P. S...  
 Chairman, SCUS

SCUS 73-34b:- (When completing this form, for instructions see Memorandum SCUS 73-34a. Attach course outline).