

SIMON FRASER UNIVERSITY

MEMORANDUM

To: Senate**From:** L. Salter
Chair, SCAP**Subject:** Natural Resources Management
Program - Curriculum Revisions
SCAP 89-58**Date:** November 16, 1989

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

Motion:

"That Senate approve and recommend approval to the Board of Governors as set forth in S. 90-10 the curriculum revisions including

New courses	MRM 663 - 5	Special Topics in Resource Management
	MRM 664 - 5	Special Topics in Resource Management
	MRM 655 - 5	Water Planning and Management
	MRM 649 - 5	Tourism Planning and Policy
	MRM 652 - 5	Community Tourism Planning and Development
	MRM 698 - 3	Field Resource Management Workshop
	MRM 690 - 0	Practicum I
	MRM 691 - 0	Practicum II"

SIMON FRASER UNIVERSITY
FACULTY OF APPLIED SCIENCES
NATURAL RESOURCES MANAGEMENT PROGRAM

MEMORANDUM

TO: Faculty of Applied Science
Graduate Studies Committee

FROM: Randall Peterman *RMP*
Chairman of Graduate Studies
Committee, Natural Resources
Management Program

SUBJECT: Calendar changes

DATE: September 27, 1989

Please find attached the following changes and additions to the SFU calendar entry for the Natural Resources Management Program.

A. Changes in Courses

1. MRM 612 - Revision to title and course description

Old title and description:

MRM 612-5 Management Models of Biological Resources
Methods of constructing simulation models and their
uses in resource management and decision making.
Case studies of environmental modelling with emphasis
on biological resources. *Prerequisite: MRM 611 or
permission of instructor.*

New title and description:

MRM 612-5 Simulation Modelling in Natural Resource
Management
Methods of constructing simulation models and analyzing
them through sensitivity analysis. Application of
simulation modelling to research and management of
environmental and resource systems. Topics will include
management of wildlife, forests, insect pests, fisheries,
pollution problems, energy resources, and recreational
land use. *Prerequisite: MRM 611 or permission of
instructor.*

B. New Courses

1. MRM 663-5 and
MRM 664-5 Special Topics in Resource Management
(see attached forms)
2. MRM 655-5 Water Planning and Management
(see attached forms)

3. MRM 649-5 Tourism Planning and Policy
(see attached forms)
4. MRM 652-5 Community Tourism Planning and Development
(see attached forms)
5. MRM 698-3 Field Resource Management Workshop
(see attached forms)

C. *Changes to Degree Requirements*

The Section under "Degree Requirements" used to read:

Degree Requirements

Seventy-five (75) credit hours are prescribed for the program, fifty (50) of which are from the required group and twenty-five (25) are from the electives. With the approval of the program director, up to seven courses (35 credit hours) may be transfer credits from another institution.

Prerequisite Courses

All students must be familiar with the material covered in an undergraduate course in Parametric and Nonparametric Statistics.

A field camp is held each September for new MRM students during the week before classes begin. This provides an opportunity for students and faculty to get acquainted and a first-hand introduction to a variety of management conflicts and problems in British Columbia.

Required Courses

MRM	601-5	Natural Resources Management I: Theory and Practice
	602-5	Natural Resources Management II: Advanced Seminar
	611-5	Applied Population and Community Ecology
	621-5	Economics of Natural Resources
	631-5	Applied Geomorphology and Hydrology
	641-5	Law and Resources
	642-5	Regional Planning I
	699-10	Research Project

And at least one of

MRM	612-5	Management Models of Biological Resources
	651-5	Project Evaluation
STAT	650-5	Quantitative Analysis in Resource Management and Field Biology

Elective Courses**

Students normally select 25 credit hours (usually 5 courses) to strengthen an area of expertise. A series of possible electives are shown below under each of the five areas of specialization currently offered by the Natural Resources Management program. However any combination of elective courses may be taken.

It should now read:

DEGREE REQUIREMENTS

Seventy-eight (78) credit hours are prescribed for the program, 48 of which are from the required group and 30 are from the electives. With the approval of the program director, up to

seven courses (35 credit hours) may be transfer credits from another institution.

Prerequisite Courses

All students must be familiar with the material covered in an undergraduate course in Parametric and Nonparametric Statistics.

Required Courses

MRM	601-5	Natural Resources Management I: Theory and Practice
MRM	602-5	Natural Resources Management II: Advanced Seminar
MRM	611-5	Applied Population and Community Ecology
MRM	621-5	Economics of Natural Resources
MRM	631-5	Applied Geomorphology and Hydrology
MRM	641-5	Law and Resources
MRM	642-5	Regional Planning I
MRM	698-3	Field Resource Management Workshop
MRM	699-10	Research Project

Elective Courses**

Students normally select 30 credit hours (usually 6 courses) to strengthen an area of expertise. A series of possible electives are shown below under each of the five areas of specialization currently offered by the Natural Resources Management program. However any combination of elective courses may be taken.

Note to the typesetter: the rest will read the same as in the current calendar.

Justification:

Total credit hours for the M.R.M. degree have been increased from 75 to 78 to take into account the addition of the 3-unit Field Resource Management Workshop, which has been changed from an informal to a formal course. This will permit students to get credit for the workshop on their transcripts. Of that total of 78 credit hours, 48 will be from required courses and 30 from elective courses. Because of the increasing use of quantitative methods in several M.R.M. courses, we have dropped the requirement that students take at least one of the quantitative courses: MRM 612, MRM 651, or STAT 650. Instead, students will be given one more elective course than at present (30 credit hours instead of 25).

:CALENDAR.DOC

SIMON FRASER UNIVERSITY

New Graduate Course Proposal Form
REVISED GRADUATE COURSE PROPOSAL FORM

CALENDAR INFORMATION:

Department: NATURAL RESOURCES MANAGEMENT Course Number: MRM 612

Title: Simulation Modelling in Natural Resource Management

Description: Methods of constructing simulation models and analyzing them through sensitivity analysis. Application of simulation modelling to research and management of environmental and resource systems. Topics will include management of wildlife, forests, insect pests, fisheries, pollution problems, energy resources, and recreational land use.

Credit Hours: 5 Vector: 5 - 0 - 0 Prerequisite(s) if any: MRM611 or permission of instructor

ENROLLMENT AND SCHEDULING:

Estimated Enrollment: 10-12/year When will the course first be offered: Spring 1980 semester
How often will the course be offered: once per year since

JUSTIFICATION: Previous offerings of this course focused on applications of simulation modelling to management of biological resources. The revised course will include applications to other systems such as energy resources, recreational land use, and pollution problems.

RESOURCES:

Which Faculty member will normally teach the course: Dr. Randall M. Peterman
What are the budgetary implications of mounting the course: none

Are there sufficient Library resources (append details): Yes

Appended: a) Outline of the Course
NOT b) An indication of the competence of the Faculty member to give the course.
APPLICABLE c) Library resources
FOR COURSE REVISION

Approved: Departmental Graduate Studies Committee: Randall M. Peterman Date: 27 Sept '89
Faculty Graduate Studies Committee: Joseph Peders Date: 10/10/89
Faculty: [Signature] Date: 11/10/89
Senate Graduate Studies Committee: B.P.C. Date: 31 Oct/89
Senate: _____ Date: _____

SIMON FRASER UNIVERSITY

New Graduate Course Proposal Form

CALENDAR INFORMATION:

Department: NATURAL RESOURCES MANAGEMENT Course Number: MRM 663

Title: Special Topics in Resource Management

Description: Special topics in areas not currently offered within the Natural Resources Management Program

Credit Hours: 5 Vector: 5 - 0 - 0 Prerequisite(s) if any: _____

ENROLLMENT AND SCHEDULING:

Estimated Enrollment: 10 When will the course first be offered: ?

How often will the course be offered: when the need arises

JUSTIFICATION:

Occasionally, current faculty want to offer a new course on an experimental basis to determine whether it should be offered permanently. Similarly, new faculty will be asked to offer new courses that are not currently in the calendar.

RESOURCES:

Which Faculty member will normally teach the course: unknown at this time

What are the budgetary implications of mounting the course: N/A

Are there sufficient Library resources (append details): N/A

- Appended: a) Outline of the Course N/A
b) An indication of the competence of the Faculty member to give the course. N/A
c) Library resources N/A

Approved: Departmental Graduate Studies Committee: Randall M. Peterson Date: 27 Sept. 1989

Faculty Graduate Studies Committee: Joseph Peters Date: 10/10/89

Faculty: [Signature] Date: 11/10/89

Senate Graduate Studies Committee: BP Clay Date: 31 Oct/89

Senate: _____ Date: _____

SIMON FRASER UNIVERSITY

New Graduate Course Proposal Form

CALENDAR INFORMATION:

Department: NATURAL RESOURCES MANAGEMENT Course Number: MRM 664
Title: Special Topics in Resource Management
Description: Special topics in areas not currently offered within the Natural Resources Management Program
Credit Hours: 5 Vector: 5 - 0 - 0 Prerequisite(s) if any: _____

ENROLLMENT AND SCHEDULING:

Estimated Enrollment: 10 When will the course first be offered: ?
How often will the course be offered: when the need arises

JUSTIFICATION:

Occasionally, current faculty want to offer a new course on an experimental basis to determine whether it should be offered permanently. Similarly, new faculty will be asked to offer new courses that are not currently in the calendar.

RESOURCES:

Which Faculty member will normally teach the course: unknown at this time
What are the budgetary implications of mounting the course: N/A

Are there sufficient Library resources (append details): N/A

Appended: a) Outline of the Course N/A
b) An indication of the competence of the Faculty member to give the course. N/A
c) Library resources N/A

Approved: Departmental Graduate Studies Committee: Randall H. Peterson Date: 27 Sept. 89
Faculty Graduate Studies Committee: Joseph Peters Date: 10/10/89
Faculty: (M. Winkler) Date: 11/10/89
Senate Graduate Studies Committee: B.P. Clark Date: 27 Oct/89
Senate: _____ Date: _____

SIMON FRASER UNIVERSITY

New Graduate Course Proposal Form

CALENDAR INFORMATION:

Department: NATURAL RESOURCES MANAGEMENT PROGRAM Course Number: MRM 655
Title: Water Planning and Management
Description: Evaluation of theoretical models and management experiences; federal, provincial and international institutional arrangements and jurisdictional responsibilities; emerging problems and opportunities.
Credit Hours: 5 Vector: 3-2-0 Prerequisite(s) if any: MRM601, 621, 631, & 646, or permission of instructor

ENROLLMENT AND SCHEDULING:

Estimated Enrollment: 12 When will the course first be offered: Fall 1990
How often will the course be offered: Annually

JUSTIFICATION: Water is an essential resource in Canada and British Columbia. This course has been run five times under a reading course number and each time attracts 15 to 20 students in the NRM Program. Six to 8 new graduate students are entering the program annually to specialize in this area.

RESOURCES:

Which Faculty member will normally teach the course: J. C. Day
What are the budgetary implications of mounting the course: The major expense is for vehicle rental for an annual field trip, approximately \$2,000 - \$2,500. This amount is included in the past 5 budgets.

Are there sufficient Library resources (append details): SFU has a good basic collection but requires two new journals: Coastal Zone Management and Ocean and Shoreline Management.

- Appended:
- a) Outline of the Course
 - b) An indication of the competence of the Faculty member to give the course.
 - c) Library resources

Approved: Departmental Graduate Studies Committee: Randall M. Peters Date: 27 Sept. 1989
Faculty Graduate Studies Committee: Joseph Peters Date: 10/10/89
Faculty: [Signature] Date: 11/10/89
Senate Graduate Studies Committee: B.P. Clay Date: 31 Oct/89
Senate: _____ Date: _____

SIMON FRASER UNIVERSITY
FACULTY OF APPLIED SCIENCES
NATURAL RESOURCES MANAGEMENT PROGRAM

MRM 655
WATER PLANNING AND MANAGEMENT

Instructor: Chad Day, Room 9215 CC 291-4659

Objectives

The goals of the course are to review and evaluate a variety of water planning and management issues:

1. Selected theoretical models;
2. Selected federal, provincial, and international institutional arrangements jurisdictional responsibilities, and management experiences;
3. Emerging international, national, and provincial water resource problems and management opportunities; and
4. Topics suitable for the MRM 699 research reports.

After completing the course, participants should have an understanding of existing and emerging water management issues, the nature of the water manager's tasks, knowledge of a variety of techniques and approaches for gathering management-related data, and how to use them in the process of water planning and management.

Teaching Methods

The course will be presented using a combination of lectures, invited speakers, seminars, student presentations, and field trips.

Assignments and Grading

Course participants will be expected to:

1. Participate in class discussions and field trips.
2. Critically review and evaluate two topics related to the course in 500-word, double-spaced papers. You may choose topics of interest but the number of presentations on individual topics will be limited to ensure that there is no duplication. Feel free to work together in groups if such an approach is useful in analyzing complex questions.
3. Prepare and present a 10 to 15-page paper focussing on some aspect of the theory, methodology, or practice related to the course. This paper may be a component of a research proposal for a scholarship, fellowship, or a 699 research paper.

Make sure your topics for sections 2 and 3 are approved by the instructor before beginning the assignment. The two short papers should be submitted within one-week of the class presentation; the final paper is due on the date it is presented.

Presentation Style

The following manuals are recommended for guidance on matters of general format and bibliographic style. Unless other arrangements are made with the instructor, the format presented by Turabian should be used to prepare the three reports for the course.

Turabian, Kate L. 198-. A Manual for Writers of Term Papers, Theses, and Dissertations. 5th ed. Chicago, IL: University of Chicago Press (available from University Bookstore).

The University of Chicago Press. 1979. A Manual of Style. 12th ed. Chicago, IL: The University of Chicago Press.

Turabian's referencing system may be shortened to a scientific format by switching the date in bibliographic entries to follow the author's name (see above). This eliminates footnotes by integrating references into the text in the sequence author, year, and page as follows: (Turabian 1973:17) or (Canada, Energy, Mines and Resources 1988:91).

Course Grade

The final grade will be made up of the following components:

1.	Class participation and field trip	35
2.	Critical reviews (2 x 15)	30
3.	Final paper	35

To ensure fair comparisons among students, and to be consistent with university policy, deferred grades are given only under extreme and exceptional circumstances such as illness or death in the family. A heavy workload is not a sufficient justification for a deferred grade. There are no exceptions to this policy. Students should schedule the writing of papers to spread the workload more evenly throughout a semester.

Texts

There is no single volume that covers the material of interest to this course. Readings will be distributed during the semester.

COURSE CONTENT

This course will be presented in the form of a number of modules. In some cases, readings will be thoroughly discussed in class; in others the distributed materials will constitute background reading for your individual use.

Metric Units and Conversion Factors (handout).

Module

1. Characteristics of the water resource: global, continental, national, and provincial.**Required reading:**

- a) Postel, Sandra. 1984. Water: Rethinking Management in an Age of Scarcity. Paper 62. Washington, D.C.: Worldwatch Institute. (Bookstore)
- b) International Institute for Environment and Development. 1976. Water For All. Washington, D.C.: IIED. (handout)
- c) Catley-Carleson, Margaret. 22 June 1988. "The World's Water: Living in the Very Last Drop". Paper presented to the Canadian Water Resources Association, Saskatoon, Sask. Ottawa, ON: CIDA. (handout)
- d) Canada. Inquiry on Federal Water Policy. 1985. Currents of Change, by P.H. Pearce et al. Ottawa, Ont.: Environment Canada. (handout, please return) Chapters 5: 49-60; part 3: 61-82, and chapter 10: 95-110 are suitable for short papers.
- e) Canada. Environment Canada. 1987. Federal Water Policy. Ottawa, Ont. (handout) This is suitable for a short paper.
- f) Science Council of Canada. June 1988. Water 2020: Sustainable Use for Water in the 21st Century. Science Council of Canada Report 40. Ottawa, Ont. (handout). This is suitable for a short paper.
- g) White, Gilbert F. 1987. "A Global Perspective on Western Water", pp. 19-29. In: Water and the American West, edit by David H. Getches Np:np. (handout)

Additional Reference:

United States. National Water Commission. 1973. Water Policies for the Future. Port Washington, N.Y.: Water Information Center. (JCD)

2. Evolving Water Management Strategies and Trends in the United States.

- a) National Academy of Sciences and National Research Council. 1968. Water and Choice in the Colorado Basin: An Example of Alternatives in Water Management. Publication 1689. Washington, D.C.:NAS-NRC (handout) The Colorado River is under the most stress of the American rivers. Do not focus on the setting and institutions details unless you are interested. Instead, look at the range of choice of regional economic growth alternatives (chpt. 5), water management alternatives (chpt 6), and enhancing the range of choice (chpt. 7).

- b) White, Gilbert F. 1969. Strategies of American Water Management. Ann Arbor, MI: University of Michigan Press. (handout) White outlines six types of management strategies which had evolved up to the late 1960s in the United States. Read the volume to understand not details and events but what the strategies entail. This model can then be used to evaluate progress and change over the following two decades in the U.S. as well as Canada.
- c) Western Governors' Association. Water Efficiency Task Force 1986. Western Water: Tuning the System, by Bruce Driver. Salt Lake City, UT. This report illustrates how radically the U.S. states are changing their approach to water management. Big projects and more "new" water are out; conservation, pricing, and management have come of age.
- d) Frederick, Kenneth D. 1986. "Overview," pp. 1-20. In: Scarce Water and Institutional Change. Washington, D.C.: Resources for the Future. (handout)
- e) Williams, Greg. 1988. Water Marketing in the United States; Opening of the Flood Gates or Just a Crack in the Dam? (handout)
- f) Price, Kent A. 1986. "A Water Crisis". Frederick, Kenneth D. "The Legacy of Cheap Water". Weiss, Edith Brown. "In Fairness to Future Generations". Peskin, Henry M. "Nonpoint Pollution and Natural Responsibility". Wahl, Richard W. "Cleaning Up Kesterson". All of these articles in Resources: 89 (Spring): 1-14. (handout)

3. Evolving river basin planning theory

- a) White, Gilbert F. 1957. "A Perspective of River Basin Development". Law and Contemporary Problems 22(2): 157-186
- b) Mitchell, Bruce and James S. Gardner. 1983. River Basin Management: Canadian Experiences. Publication No. 20. Waterloo, Ont.: Department of Geography, University of Waterloo. (Read chapters 2, 5, 6, 14, 20, 23; browse the others for possible presentations). (bookstore)
- c) Canada. Environment Canada. Environmental Conservation Service. 1981. An Evaluation of the River Basin Planning and Implementation Programs, by Bernard Brule et al. Ottawa, Ont.
- d) O'Riordan, J. 1983. "New Strategies for Water Resource Planning in British Columbia"., pp. 17-40. In Mitchell and Gardner. 1981. (handout).
- e) LeMarguand, David G. 1977. International Rivers: The Politics of Cooperation. Vancouver, B.C.: Westwater Research Centre, University of British Columbia. A model for analyzing international experiences. (handout).

- f) Lee, Terence. 1988. "The Evolution of Water Management in Latin America". Water Resources Development 4 (3): 160-168. Traces the development of laws, institutions, including specialized basin authorities, throughout Central and South America. (handout).

4. Laws and institutions

5. Demand, supply, conservation

- a) Kindler, J. and C.S. Russell, eds. 1984. Modeling Water Demands. Toronto, On: Academic Press. (handout).

6. Pricing as a management tool

7. Public participation

8. Coastal zone management

- a) Titus, James G. 1987 " The Causes and Effects of Sea Level Rise." In Impact of Sea Level Rise on Society, Herman G. Wind, ed. Rotterdam: A.A. Balkema. (handout).
- b) _____. 1986. "Greenhouse Effect, Sea Level Rise, and Coastal Zone Management." Coastal Zone Management Journal 14 (3) 147-171. (handout).
- c) Hildreth, Richard G. and Ralph W. Johnson, 1985. "CZM in California, Oregon, and Washington". Natural Resources Journal 25 (Jan): 103-165. (handout)
- d) Canadian Council of Resource and Environment Ministers. 1978. Proceeding of the Shore Managment Syposium. Victoria, B.C. (handout).
- e) Higham and Day 1989. The British Columbia Offshore Exploration Assessment: An Evaluation." (handout)
- f) Day and Gamble. 1989. "Coastal Zone Management in B.C. An Institutional Comparison with Washington, Oregon, and California." (handout)
- g) Gamble and Day 1989. "CZM In Boundary Bay, B.C. and Cherry Point, WA." (handout).
- h) Breen, Ann and Dick Rigby. 1985. Caution Working Water Front: The Impact of Change on Marine Enterprises. Washington, B.C.: The Waterfront Press. (handout)

- i) _____. 1986. Fishing Piers: What cities can do. Washington, D.C.: The Waterfront Press. (handout)
 - j) Hotson, Norman. 1986 "Waterfront Character: What Is It, and Will Any Be Left?" In Urban Water Fronts '86: Developing Diversity. Ann Breen and Dick Rigby eds. Washington, D.C.: The Waterfront Press. (handout)
9. Man-made lakes
 - a) American Geophysical Union. 1973. Man-Made Lakes: Their Problems and Environmental Effects, by William C. Ackermann et al. Monograph 40. Washington, D.C. (handout)
 10. Water diversions and export
 - a) Day, J.C. and Frank Quinn. 1989. Water Diversion and Export: Learning from Canadian Experience". cover, xiii-xvi and 128-140. (handout)
 11. Ground Water
 - a) Dhamsthan, Dharmo S. July 1985. "Protecting Our Ground Water Resources: The Challenge". Hydata 4(4):5-8 (handout)
 12. Irrigation
 - a) Frederick, Kenneth D. 1988. "Irrigation Under Stress". Resources 91 (Spring): 1-4.
 13. Agricultural land drainage
 14. Water quality
 15. Acid rain
 16. Climatic change
 17. Riverine flooding
 18. Water-based recreation and esthetics

19. Soil Erosion

- a) Clark II, Edwin H., Jennifer A. Haverkamp, and William Chapman. 1985. Eroding Soils: The Off-Farm Impacts. Washington, D.C.: Conservation Fundation. (handout)

20. Desertification

- a) Eckholm, Erik and Lester R. Brown. 1977. Spreading Deserts: The hand of Man Worldwatch Paper 13. Washington, D.C. (handout)

NATURAL RESOURCES MANAGEMENT PROGRAM

SIMON FRASER UNIVERSITY

MRM 655 WATER PLANNING AND MANAGEMENT

FIELD TRIP: COASTAL ZONE MANAGEMENT, RIVER BASIN PLANNING, IRRIGATION, MULTIPLE PURPOSE RESERVOIR MANAGEMENT, (FLOOD CONTROL, DIVERSION AND EXPORT, VOLCANIC ERUPTION EFFECTS, NUCLEAR POWER PLANT WATER USE.

Before the trip please view the following video tapes which are available from the Instructional Media Centre, room 7512 MPX. Viewing times are 8:30-4:15 daily. Phone 4300 in advance to reserve the preview room.

U.S. Bureau of Reclamation. 1981. The Great Web of Water: The Central Valley Project. Time: 28 minutes.

U.S. Bureau of Reclamation. 1987 Auburn Coffe Dam and the Floods of 1986. Time: 10 minutes. A 30-minute account of this event follows on the same tape showing downstream effects on the American and Sacramento rivers.

Saturday 22 April

8:15 a.m. Meet at SFU Information Office. Bring a lunch that you can eat while travelling for the first day.

CZM in British Columbia and the State of Washington

- Surrey, Crescent Beach: The Fraser River Estuary Management Program
- White Rock, B.C.
- Semiahmoo Spit, WA
- Birch Bay, WA: The Good, The Bad and the Ugly
- Cherry Point Industrial Management Unit, WA

11:30 a.m

- Padilla Bay: National Estuarine Reserve Research
Sharon Riggs
Administrative Assistant
Department of Ecology
State of Washington
Mount Vernon, WA 98273 (206-428-1558)
- La Conner: fishing, agriculture, and tourism

2:30 p.m. Seattle: Port Development Approvals and Mitigation

George Blomberg, Ecologist
Port of Seattle
Engineering Department
PO Box 1209

Seattle, WA 98101 (206-728-3194)

Stay at Motel 6, Kelso, WA (206-425-3229)

Sunday 23 April THE OREGON COAST

We will observe three types of estuaries during the day: river dominated (Columbia), drowned river mouth (Coos and Siletz bays), and bar-built (Netarts). The planned stops include:

- (39-49) • Columbia River estuary to illustrate the complexity and scale of a large system dominated by fresh water flow and deep-draft navigation.
- Gearhart to see adequate municipal setback from ocean hazards.
- Seaside which exemplifies poor siting decisions for structures.
- Cannon Beach which has adopted some of the most progressive site planning and design review process to control growth and enhance esthetics.
- (56) • Nehalem Estuary, a shallow-draft navigation resource, has a wide-range of urban, commercial, rural, recreation, and forestry land uses.
- Netarts Bay, where a sand spit creates a separate estuarine environment which receives little fresh water inflow.
- (72) • Pacific City, an unincorporated settlement, which allowed settlement too close to the coast. Blowing sand removal problems continue as the dune vegetation was not replaced after its removal. Nestucca Bay and river flood potential is inadequately ameliorated by levees and flood-proofed structures.
- Lincoln City, at its day-use, ocean-front park where structures are located in the hazardous surf zone.
- Depoe Bay State Park where exposed bedrock creates a good harbor and long-term erosion protection.
- Otter Crest Loop where a bypassed highway creates an appropriate, slow-speed route to view the rugged Oregon coastline.
- Cape Foulweather is used for an historical point of interest, Cook's landfall on the west coast.
- Siuslaw National Forest: what is its effect on coastal resource use?
- (100) • Oregon Dunes National Recreation Area: What is its effect on coastal resource use?
- Coos Bay, a deep-draft estuary with a broad array of urban and rural uses. Forestry is the basis of the local economy. What can be done to revitalize such a heavy industrial area for tourism and other uses?
- Pistol River, a natural estuary in which only agriculture, forestry, recreation, and other rural uses are permitted.
- Crescent City, CA where much of the waterfront was destroyed in 1964 by huge seismic waves from an Alaskan earthquake. Twelve-foot waves hit the downtown and inundated 29 blocks. The city was rebuilt.

Stay in Motel 6 Arcata-Eureka, CA (707-822-7061)

Monday 24 April CZM IN NORTHERN CALIFORNIA

9 a.m. tour with Kevin Hamblin
 Director of Community Development
 531 K Street
 Eureka, CA 95501
 (707)445-2091

Stay in Super 8 Motel, Sacramento, CA
 4317 Madison Ave. (916-334-7430) I-80 @ Madison (see p. 19)

Tuesday 25 April THE STATE OF CALIFORNIA WATER CONTROL SYSTEM

- design, operation, benefits and problems
- management and benefits of the State Water Project, quality control, integration of the Central Valley Project and the State Water Project, and flood control.

THE FEDERAL CENTRAL VALLEY PROJECT: U.S. BUREAU OF RECLAMATION

- design, operations, benefits and problems
- integration of the state, federal, and municipal water systems.

P.M. THE SACRAMENTO-SAN JOAQUIN DELTA; WIND FARMS

-multiple use of the delta for navigation, agriculture, fish and wildlife, recreation, urbanization, water transfers, water quality, salt-water intrusion, and flood control.

Coordinator: Norma A. Beck
 Office of Public Information
 Dept. of Water Resources
 1416 Ninth St.
 Sacramento, CA 94236 (916-445-6352)

Stay in Santa Nella Motel 6 209-826-6644

Wednesday 26 AprilA.M. OPERATION OF THE SAN LUIS OFF-STREAM RESERVOIR

- largest off-stream reservoir in the U.S.
- pumping and generating plant
- large-scale California aquaduct delivers water to southern California and San Joaquin Valley
- recreation, wildlife habitat

P.M. INNOVATIVE MUNICIPAL WATER MANAGEMENT

Stay in Allstar Inns
 Petaluma, CA 94952
 1368 N. McDowell Rd. (707-765-0333)

Thursday 27 April LESSONS FROM THE SAN FRANCISCO BAY CONSERVATION AND DEVELOPMENT COMMISSION

9 am at Sausalito Ferry Terminal
Guide: William Travis, Deputy Director, BCDC

Stay in Monterey North (Marina) Motel 6 408-384-1000

Friday 28 April THE MONTEREY PENINSULA

A.M. 9:30-11:45 CZM in Monterey

- Meeting with Haywood Norton, Planning Services Manager, City of Monterey (call at 8:15 am for directions 408-646-3885)

12:30 PM PRIVATE ENTERPRISE AND CZM: LESSONS FROM THE DEL MONTE FOREST

- Residential development, wildlife habitat, hazards, public access, recreation, circulation, visual resources, water and sewage services.

Meet with Candice Ingram, Community Relations, and Larry Seeman, Vice-President, Planning and Development, Pebble Beach Company Office, Pebble Beach, CA 408-624-8900. Call at 8:30 a.m. to confirm.

Meet at 12:30 p.m. for sandwiches with representatives of the local water district, sewage district, country planning office, and California Coastal Commission Regional Office from Santa Cruz (Diane Landry)

Stay at Monterey North (Marina) Motel 6 (408-384-1000)

Saturday, 29 April PLANNING AND MANAGING A MARINE PARK

9:15 a.m. Point Lobos State Reserve
Glen McGown
Superintendent
Route 1, Box 62
Carmel, CA 93923
(408-624-4909)

Stay at Allstar Inns: Petaluma, CA 94952
1368 N. McDowell Rd. (707-765-0333)

Sunday 30 April

- Point Reyes National Seashore
- San Francisco Coastal Management

Stay at Super 8 Motel, Willows, CA 916-934-2871

Monday 1 May8:00 a.m. **BUREAU OF RECLAMATION: SACRAMENTO RIVER IRRIGATION SYSTEM**

- Water management system, fisheries enhancement, wildlife refuge, farm water management and conservation, drainage, flood control.

Lowell F. Ploss, Project Superintendent and Tom Kelly, Willows.

1:30 p.m. **SHASTA DAM - TRINITY RIVER DIVERSION (USBR)**

- Trinity River multiple purpose reservoir management
- hydroelectric subsidies to irrigation.

J. Paul Capener, Project Manager

Stay in Ashland Super 8 Motel (503-482-8887)

Tuesday 2 May COLUMBIA RIVER INTERNATIONAL MANAGEMENT ISSUES

*Stay in Super 8 Motel, Portland South
Exit 286 to 25438 S.W. Parkway Ave.
Wilsonville, OR. (503-682-2088)*

Wednesday 3 May

1. NUCLEAR ENERGY WATER USE
2. VULCANISM: SEDIMENTATION AND FLOODING IN THE COWLITZ AND TUTTLE RIVERS (MT. ST. HELENS)

3 pm 3. **THE PUGET SOUND WATER QUALITY AUTHORITY**

Dr. Andrea Copping
Oceanographer
217 Pine St., Suite 1100
Seattle, WA 98101 (206-464-7320)

Return to Burnaby

:MRM643.doc

FACULTY MEMBER'S EXPERIENCE

Dr. Day specialized in water planning and management for his Ph.D. degree at the University of Chicago under the supervision of Gilbert F. White. He has conducted an active research program in this area since 1965 and received more than \$100,000 in research funds. He has published 40 articles and 2 monographs, organized 4 conferences, and presented numerous papers at professional conferences in the field. He has also acted as a consultant to numerous federal and provincial agencies and crown corporations.

Before joining Simon Fraser University, Dr. Day initiated and taught similar courses at the universities of Waterloo, Sir Wilfred Laurier, and Western Ontario. Currently he is a director of the International Association of Impact Assessment, a member of the Association Committee on Shorelines of the National Research Council of Canada, and a member of the Graduate Students Research Selection Committee of the Canadian Environmental Assessment Research Council to provide advice on this field of study.

SIMON FRASER UNIVERSITY

MEMORANDUM

To. Chad Day,
Natural Resources Management

From Sharon Thomas,
Head, Collections Management

Subject. NEW COURSE PROPOSAL

Date. September 27, 1989

Water resources management has been included in our collecting profiles for some time and MRM 655 (Water Planning and Management) would appear to present few, if any, difficulties for the Library. In fact we have already supported this course several times as a special topics offering and a check of the rather extensive bibliography which accompanies the course proposal indicates that a substantial collection of materials is currently available on campus to support any research which might arise from the new course offering.

However, we should supplement our journal holdings in this area and subscriptions to the following new titles would significantly enhance the collection.

Coastal Management ----- \$385.00 / year

Ocean and Shoreline

Management ----- \$255.00 / year

Sharon Thomas

ST:is

SIMON FRASER UNIVERSITY

New Graduate Course Proposal Form

CALENDAR INFORMATION:

Department: NATURAL RESOURCES MANAGEMENT PROGRAM Course Number: MRM 649-5

Title: Tourism Planning and Policy

Description: The course provides frameworks and methodologies for understanding the policy and planning initiatives of public and private sector organizations. Foundations for resource assessment, market analysis, product-market matching and regional tourism strategy development are explored in detail.

Credit Hours: 5 Vector: 5-0-0 Prerequisite(s) if any: Permission of instructor

ENROLLMENT AND SCHEDULING:

Estimated Enrollment: 15 When will the course first be offered: Fall 1990

How often will the course be offered: Once per year

JUSTIFICATION: As one of Canada's leading "sunrise" industries, tourism is dependent upon sound management techniques for its future growth. This is particularly the case in British Columbia where the industry is largely dependent upon effective natural resource management programs. This course is designed to broaden and deepen the capabilities of natural resource managers when dealing with the planning and management of natural resources in a tourism context.

RESOURCES:

Which Faculty member will normally teach the course: Peter W. Williams

What are the budgetary implications of mounting the course: None

Are there sufficient Library resources (append details): Yes

- Appended:
- a) Outline of the Course
 - b) An indication of the competence of the Faculty member to give the course.
 - c) Library resources

Approved: Departmental Graduate Studies Committee: Randall M. Peterson Date: 27 Sept. '89
Faculty Graduate Studies Committee: Joseph Peters Date: 10/10/89
Faculty: [Signature] Date: 11/10/89
Senate Graduate Studies Committee: B.P. Clay Date: 31 Oct/89
Senate: _____ Date: _____

SIMON FRASER UNIVERSITY
NATURAL RESOURCES MANAGEMENT

MRM 649-5
TOURISM PLANNING AND POLICY

Peter Williams
Fall 1990

Course Description:

This course provides students with frameworks and methodologies for understanding the policy and planning initiatives of public and private tourism organizations. It places particular emphasis on critically assessing the processes employed in developing planning and policy strategies for tourism regions. Foundations for comprehensive tourism planning and policy development are explored in detail.

Course Objectives:

This course is designed to:

- a) create an awareness of the nature and scope of tourism planning and policy issues confronting tourism organizations;
- b) describe key management issues and objectives associated with tourism development;
- c) outline and assess the relative merits of the processes and methodologies employed in tourism planning.

Required Text:

Gunn, C.R. (1988). Tourism Planning. 2nd ed. New York: Taylor and Francis.

Suggested Readings:

Suggested readings listed in the course outline will be available on a library reserve basis. Additional readings will be provided in bibliographic form as topics are explored during the course.

Grading Scheme:

The course will have three (3) major grading situations. They will all require the use of information derived from lecture material, library reserve reading, general library sources and other external data sources. All grading assignments will be judged based upon the content, organization, and quality of presentation. No assignment will be accepted late without prior authorization by the instructor.

Assignments:

	Grade Weight	Due Date
1. Literature Review	20%	First class, 2nd week of October
2. Seminar Presentation	30%	As scheduled at commencement of term
3. Research Paper/Case Study	50%	Last class of term

Assignment Outlines:

a) Literature Review (20% of Final Grade)

This assignment will involve a concise quantitatively oriented content analysis of planning and policy issues presented in a key tourism management journal.

b) Seminar Presentation (30% of Final Grade)

Each student will prepare and present a one-hour seminar on a selected topic related to the course outline. Topics will be chosen on a "first come, first served" basis and will be accompanied by a bibliography and topic summary for distribution to the course participants at the time of the seminar.

c) Research Paper/Case Study (50% of Final Grade)

The research paper/case study involves original work on a subject related to the course content. More than simply a literature review, it may use existing work as a base and then extend into new areas of research. Its objective should be to demonstrate, via data analysis and evaluation, the application and impact of a specific tourism planning or policy issue or approach.

The research paper should be presented at a level of quality, style, and format suited to a publishable paper.

A topic for the research paper, along with a proposed methodology for conducting the research, and a selected bibliography appropriate to the topic, must be submitted to the course professor for approval prior to the end of the sixth week of classes. No research paper will be accepted at the end of the term without this approval.

Tentative Course Outline:

1. The Nature and Scope of Tourism Planning

- . tourism defined
- . tourism and its impacts
- . tourism and resource management
- . tourism planning as a concept

Suggested Readings

- . Text, pp. 1-24.
- . Christie Mill, R. and A. M. Morrison (1985). The Tourism System. New Jersey: Prentice-Hall.
- . Rosenow, J.E. and G.L. Pulsipher (1979). Tourism: The Good, The Bad and the Ugly. Nebraska: Media Productions and Marketing. pp. 1-22.
- . Hudman, L.E. (1978). "Tourism impacts: the need for regional planning". *Annals of Tourism Research*. Jan.-Mar., pp. 113-125.
- . Mathieson, A. and G. Wall (1982). Tourism: Economic, Physical and Social Impacts. New York: Longman. pp. 14-35.
- . Pearce, D. (1981). Tourist Development. New York: Longman. pp. 43-64.

2. Planning and Policy Approaches

- . frameworks for tourism planning and policy
- . planning and political ideologies
- . roles and responsibilities in tourism planning and policy
- . economic planning strategy development
- . social planning strategy development

Suggested Readings

- . Text, pp. 213-240.
- . Christie Mill and Morrison, pp. 241-283; 284-292.
- . Williams, P.W. (1981). "A framework for tourism planning", Ryerson Polytechnical Institute.
- . Tourism Canada (1985). Tourism Tomorrow. Government of Canada.

3. Structures and Processes of Tourism Development

- . the structure of tourism
- . typologies of tourism development
- . agents of development
- . the functioning tourism system

Suggested Readings

- . Text, pp. 67-79.
- . Pearce (1981), pp. 6-24.

4. Assessing Attractions in Tourism Planning and Development

- . resource foundations in tourism planning
- . attraction typologies for tourism
- . tourism attraction assessment methodologies

Suggested Readings

- . Text, pp. 107-127.
- . Pearce (1981), pp. 25-42.
- . Rosenow et al, pp. 103-133.
- . Christie Mill et al, pp. 201-220.

5. Assessing Natural Resources for Tourism Planning and Development

- . location and land-use policy formulations
- . carrying capacity and tourism planning
- . physical standards for tourism development
- . spatial organization considerations
- . coastal planning considerations
- . alpine planning considerations

Suggested Readings

- . Text, pp. 123-127; 147-200.
- . Mathieson et al, pp. 93-132.
- . Wall, G., ed. (1989). Outdoor Recreation in Canada. Toronto: John Wiley, pp. 221-229.

- . Pearce, D. (1987). Tourism Today: A Geographical Analysis. New York: Longman, pp. 151-197.
- . Williams, P. (1986). "Evaluating the carrying capacity and the environmental impact of tourism", Travel and Tourism Research Handbook (C. Goeldner and J.R.B. Ritchie, eds.). New York: John Wiley.
- . Cohen, E. (1978). "The impact of tourism on the physical environment", Annals of Tourism Research. April/June, pp. 215-237.
- . Wolbrink, D. (1973). Physical Standards for Tourism Development. Pacific Islands Development Commission. pp. 32-50.
- . Gunn, C. and J.B. McMillen (1979). Tourism Development: Assessment of Potential in Texas. College Station: Texas A & M University.

6. Transportation - The Linkage Component

- . the scope of transportation services
- . location and land-use principles and policies
- . spatial variations in tourism flows
- . assessing the components of package tour products

Suggested Readings

- . Text, pp. 149-169.
- . Lundgren, J. (1989). "Patterns", in Outdoor Recreation in Canada.

7. The Role of Markets and Marketing in Tourism Planning and Policy

- . defining tourism markets
- . market data typologies
- . images and tourism markets
- . consumer behaviour and tourism markets
- . typologies of travellers and travel market segments
- . the scope of promotion and information services
- . marketing the national parks
- . assessing market performance in tourism
- . sources of marketing information

Suggested Readings

- . Text, pp. 81-103; 171-186
- . Christie Mill, The Tourism System, pp. 356-434
- . Taylor, G. (1983). "Applying research in the changing market place - Tourism Canada's experience". Paper presented at National Tour Association

Convention, Houston, Texas.

8. Principles and Policies for Strategic Regional Tourism Planning

- . the concept of strategic regional tourism planning
- . steps in the regional strategic planning process
- . identifying destination zones
- . capacity assessment methodologies
- . structuring regional tourism plans (spatial planning)
- . developing tourism planning goals
- . developing policy guidelines and principles

Suggested Readings

- . Text, pp. 187-212; 269-283
- . Pearce (1981), pp. 61-83
- . Rosenow et al, pp. 213-228
- . D.P.A. Group (1989). An Approach to Regional Tourism Development. BC Ministry of Tourism and Provincial Secretary, Product and Planning Branch.

9. A Hierarchy for Tourism Planning and Development

- . the rationale of continuous planning
- . creating a new tourism environment - policy guidelines

Suggested Readings

- . Text, pp. 187-240
- . Gunn, C. (1969). "Creating a new tourism-recreation environment". Paper presented at Southwest Park and Recreation Training Institute, Kingston, Oklahoma.

B. Faculty Member Competence In Subject Field

Peter Williams received a doctorate for his work in tourism studies from the College of Natural Resources at Utah State University in 1981. Since that time he has taught numerous graduate and undergraduate courses in tourism policy, planning and marketing at academic institutions in Canada, (e.g. University of Toronto, Ryerson Polytechnical Institute) the United States (e.g. Utah State University and George Washington University) and South America (e.g. Universidad Externado de Colombia). He has also delivered several (25) short intensive courses, seminars, and presentations on tourism planning to professional associations, as well as public and private sector organizations both domestically and internationally.

His publication and research focus is centered on tourism issues. To date he has published more than 43 tourism planning, policy or market related articles in refereed or non-refereed publications; conference proceedings; or textbooks. From a research perspective he has been intimately involved in over 62 research projects linked specifically to public or private sector tourism planning or policy issues. These projects in combination represent research contracts exceeding \$400,000.

Dr. Williams is currently Chairman of the Canadian Chapter of the Travel and Tourism Research Association, and second vice-president of the parent T.T.R.A. - International organization. As such he assists in the leadership of one of the foremost tourism research agencies in the world.

SIMON FRASER UNIVERSITY

MEMORANDUM

To..... Randall Peterman,
..... Natural Resources Management Program
.....

From..... Sharon Thomas,
..... Head, Collections Management Office
..... Library
.....

Subject..... NEW COURSE PROPOSALS
.....

Date..... October 3, 1989
.....

The development of the proposed new courses,

MRM 652-5 Community Tourism Planning
and Development

MRM 649-5 Tourism Planning and Policy,

has included early consultation with the Library and, most important,
the provision of adequate funding to ensure sufficient resources.

It is a model I would like to see followed more frequently; one
that enables me to state unequivocally that the Library's
collections will be sufficient to support these courses.

Sharon Thomas

ST:is

Library Resources

In the Spring of 1989, The Centre For Tourism Policy and Research
provided the library with funds to purchase a significant number of
texts, periodicals and bibliographies related to the subject area for
the course.

SIMON FRASER UNIVERSITY

New Graduate Course Proposal Form

CALENDAR INFORMATION:

Department: NATURAL RESOURCES MANAGEMENT PROGRAM Course Number: MRM 652-5

Title: Community Tourism Planning and Development

Description: The course critically examines approaches employed by communities incorporating tourism into their development strategies. Techniques for optimizing the resource potential of communities from economic, social, cultural and environmental perspectives are explored with a view toward developing policies for "appropriate" community tourism.

Credit Hours: 5 Vector: 5-0-0 Prerequisite(s) if any: permission of instructor

ENROLLMENT AND SCHEDULING:

Estimated Enrollment: 15 When will the course first be offered: Spring 1990

How often will the course be offered: once per year

JUSTIFICATION:

In recognition of:

- a) the program's purpose of meeting the need for a deeper and broader training in natural resources management;
- b) the need for sustainable resource development at the community level;
- c) the growing trend of incorporating a tourism component into community development strategies, this course in community tourism planning and development has been created. Stressing problem-solving, critical thinking, and multi-discipline decision making, it evaluates the effectiveness of existing approaches to community tourism planning and development, and seeks to develop new strategies for managing resources in a community tourism context.

RESOURCES:

Which Faculty member will normally teach the course: Peter W. Williams

What are the budgetary implications of mounting the course: None

Are there sufficient Library resources (append details): Yes

- Appended:
- a) Outline of the Course
 - b) An indication of the competence of the Faculty member to give the course.
 - c) Library resources

Approved: Departmental Graduate Studies Committee: Randall M. Pileum Date: 27 Sept 89

Faculty Graduate Studies Committee: Joseph Petes Date: 10/10/89

Faculty: [Signature] Date: 11/10/89

Senate Graduate Studies Committee: B.P.C. Date: 31 Oct/89

Senate: _____ Date: _____

SIMON FRASER UNIVERSITY
NATURAL RESOURCES MANAGEMENT

MRM 652-5
COMMUNITY TOURISM PLANNING AND DEVELOPMENT

This course focuses on critically examining approaches to integrating tourism into the development strategies of communities. Utilizing domestic and international tourism examples it explores techniques for optimizing community resource potential from economic, social, cultural and environmental perspectives. Its goal is to assist in the formation of long term policies for appropriate tourism development.

Course Objectives

The course is designed to:

- a) create an awareness of the nature and scope of tourism planning and development issues confronting community based tourism organizations;
- b) outline and explore methodologies assessing the tourism resource potential of communities for tourism;
- c) discuss and develop policy guidelines suited to creating appropriate tourism at the local community level.

Suggested Readings:

Suggested readings listed in the course outline will be available on a library reserve basis. Additional readings will be provided in bibliographic form as topics are explored during the course.

Grading Scheme

The course will have three (3) major grading situations. They will all require the use of information derived from lecture material, library reserve readings, general library resources, and other external data sources. All assignments will be judged based upon their content, organization, and quality of presentation. No assignment will be accepted late without prior authorization by the instructor.

<u>Assignments</u>	<u>Grade Weight</u>	<u>Due Date</u>
1. Literature Review	20%	First class, First week of February
2. Seminar Presentation	30%	As scheduled at commencement of term

- | | | |
|----------------------------------|-----|--------------------|
| 3. Research Paper/
Case Study | 50% | Last class of term |
|----------------------------------|-----|--------------------|

Assignment Outlines

A. Literature Review (20% of Final Grade)

This assignment will involve a concise quantitatively oriented content analysis of planning and policy issues presented in a key tourism management journal.

B. Workshop Presentation (30% of Final Grade)

Each student will prepare and present a 2 hour workshop on a selected topic related to the course outline. Topics will be chosen on a "first come, first served" basis and will be accompanied by a bibliography and topic summary for distribution to the course participants at the time of the workshop. The objective of the seminar is to encourage discussion and suggest policy and/or methodology implications concerning the issue under study.

C. Research Paper/Case Study (50% of Final Grade)

The research paper/case involves original work on a subject related to the course content. It should use existing information as a base and then extend into new areas of research. The objective should be to provide a basis for demonstrating via data analysis and evaluation: the rationale, application and impact of a specific community tourism planning or policy issue or approach.

The case study should be presented at a level of quality, style and format suited to a publishable paper.

A topic for the case study, along with a proposed methodology for preparing it, and a selected bibliography appropriate to the topic, must be submitted to the course professor for approval prior to the end of the sixth week of classes. No case study submission will be accepted at the end of the term without this approval.

Tentative Course Outline

1. Contemporary Policy Issues In Community Tourism Planning

- roles and responsibilities of government organizations
- land use planning and control
- recreation and cultural relations with tourism
- festival and special event concerns
- public involvement
- economic, environmental and socio-cultural trade-offs
- frameworks for formulating local tourism policies
- identification of research priorities

Suggested Readings:

Getz, D. (1983). "A research agenda for municipal and community based tourism in Canada", Travel and Tourism Research Association Conference, Banff, 1983.

Murphy, P. (1988) "Responsible and responsive tourism planning in the community," Tourism Management, June, pp. 105-118.

Kariel, H.G. (1989) "Tourism and development: perplexity or panacea?" Journal of Travel Research, Vol. XXVII, No.1. pp. 2-6.

2. Design Principles For Controlling Development In Community Tourism

- developing a sense of place - authenticity
- identifying resource development opportunities
- critical physical zones
- design principles for physical development
- access and costing considerations
- carrying capacity issues
- resort cycle trends

Suggested Readings:

Gunn, C.A. (1988) Vacationscape. New York: Van Nostrand Reinhold. pp. 37-107.

Travel Alberta (1987). Community Tourism Action Plan. Edmonton: Government of Alberta

Howell, R.L. (1982) "Designing accessibility into tourist attractions in traditionally non-tourist cities: a planning perspective," Professional, Vol.2, No.1, Fall. pp. 19-25.

3. Visitor Services Policy and Planning Issues

- meeting local needs
- retailing mix and tourism thresholds
- visitor information center guidelines
- marketing parks for tourism
- strategies for mainstreet theming

Suggested Readings:

Andressen, B. (1983). Planning for tourism's impacts: the Canmore example, " T.T.R.A. Conference, Banff.

Stewart, J.J. (1983) "A strategy for mainstreet," Canadian Heritage, No.40, May-June, pp.4-9.

Yeiser, J.D. (1988). "Travellers and shopping," paper presented at The 1989 Travel Industry Association of America.

Lew, A.L. (1989) : Authenticity and sense of place in the tourism development experience of older retail districts:, Journal of Travel Research. Vol. XXVII, No. 4, Spring. pp. 15-22.

University of Missouri (1978) Tourism U.S.A.: Visitor Services, U.S. Department of Commerce.

4. Incorporating Social and Cultural Values Into Community Tourism

- identifying elements of cultural tourism
- festivals and events as travel generators
- the effects of tourism on socio-cultural values
- the impacts of community run festivals and special events.

Suggested Readings:

UNESCO (1976) "The effects of tourism on socio-cultural values,:" Annals of Tourism Research, Vol. IV, No.2, Nov./Dec. pp. 74-103.

Getz, D. (1978) Measuring and Evaluating The Impacts of Festivals and Special Events, University of Waterloo: Department of Recreation and Leisure Studies.

Secretary of State (1978) 1986/87 Highland Heart Evaluation - Antigonish Highland Games, Research Section, Marketing Division.

5. Marketing Community Tourism

- selecting and evaluating potential visitor groups
- collecting market information
- developing consumer-driven tourism packages
- developing tourism awareness programming
- marketing tourism services
- creating marketing plans
- evaluating marketing programs

Suggested Readings:

Teye, V.B. (1989) "Marketing an emerging international destination: the case of Arizona", Journal of Travel Research, Vo. XXVII, No. 4. Spring. pp. 23-28.

Ontario Ministry of Tourism and Recreation (1987) Profiting From Market Research. Government of Ontario.

New York Department of Commerce, (1986) How to Give Visitors a New York Welcome: A Handbook Of Hospitality Skills. State of New York.

6. Monitoring Tourism Economic Impacts

- techniques of job and income forecasting
- ownership and investment issues
- inflation and cost impacts
- taxes and infrastructure concerns
- monitoring economic reinvestment and diversity

Suggested Readings:

Frechtling, D.C. (1987) Assessing the impacts of travel and tourism - measuring economic benefits: in Travel, Tourism and Hospitality Research: A handbook For Managers and Researchers, J.R.B. Ritchie and C.R. Goeldner (eds). Toronto: John Wiley and Sons. pp. 333-361.

7. Assessing Social Impact

- "irridex" monitoring
- evaluating changes in resident attitudes
- managing housing and facility capacity issues
- monitoring changing lifestyle patterns

Suggested Readings:

L. Crandall (1987) "The social impact of tourism on developing regions and its measurement" in Travel, Tourism and Hospitality Research: A Handbook for Managers and Researchers. pp. 374-382.

Pizam, A. (1978) "Tourism's impacts: the social costs to the destination community as perceived by its residents", Journal of Travel Research, Vol. XVI, pp. 8-12.

Butler, R. (1975) "Tourism as an agent of social change". Occasional Paper No. 4, Peterborough, Ontario: Department of Geography, Trent University.

8. Monitoring and Managing Environmental Change

- the resort cycle and environmental change
- physical solutions to tourism invasion
- visual amenity planning
- waterfront management considerations
- monitoring resource damage
- approaches to heritage conservation

Suggested Readings:

Williams, P.W. (1978) "Evaluating environmental impact and physical carrying capacity in tourism", in Travel, Tourism and Hospitality Research: A Handbook for Managers and Researchers pp. 385-397.

Cohen, E. (1978) "The impact of tourism on the physical environment, " Annals of Tourism Research, Vol. 5, No.2 pp. 215-237.

9. Case Studies In Community Tourism Planning

- Whistler Village - an integrated development strategy
- Niagara Falls - a catalytic development strategy
- Glace Bay - identifying the potential and providing a vision
- Lake Tahoe - a community under siege
- San Antonio - an exercise in revitalization

Suggested Readings:

Gunn, C.A. (1989) Vacationscape, pp. 123-194

Economic Planning Group of Canada, (1984). Whistler - Development of a Resort. Tourism Canada.

Economic Planning Group of Canada (1988) A Tourism Strategy For Niagara Falls. Tourism Canada.

Spatial Research Associates, (1986), Glace Bay Area: A Tourism Development Strategy, Glace Bay and Area Futures Committee.

R.L. Howell (1981) Community Tourism Development A Preliminary Guide for Local Communities in Virginia. Virginia Commonwealth University.

Regional/Urban Design Assistance Team (1989) Accepting Limits and Forging A Vision - North Tahoe/Truckee Resort Triangle. The American Institute of Architects.

:MRM 652-5.DOC

B. Faculty Member Competence In Subject Field

Peter Williams received a doctorate for his work in tourism studies from the College of Natural Resources at Utah State University in 1981. Since that time he has taught numerous graduate and undergraduate courses in tourism policy, planning and marketing at academic institutions in Canada, (e.g. University of Toronto, Ryerson Polytechnical Institute) the United States (e.g. Utah State University and George Washington University) and South America (e.g. Universidad Externado de Colombia). He has also delivered several (25) short intensive courses, seminars, and presentations on tourism planning to professional associations, as well as public and private sector organizations both domestically and internationally.

His publication and research focus is centered on tourism issues. To date he has published more than 43 tourism planning, policy or market related articles in refereed or non-refereed publications; conference proceedings; or textbooks. From a research perspective he has been intimately involved in over 62 research projects linked specifically to public or private sector tourism planning or policy issues. These projects in combination represent research contracts exceeding \$400,000.

Dr. Williams is currently Chairman of the Canadian Chapter of the Travel and Tourism Research Association, and second vice-president of the parent T.T.R.A. - International organization. As such he assists in the leadership of one of the foremost tourism research agencies in the world.

SIMON FRASER UNIVERSITY

New Graduate Course Proposal Form.

CALENDAR INFORMATION:

Department: Natural Resources Management Course Number: MRM 698

Title: Field Resource Management Workshop

Description: An intensive field course introducing students to the diversity of issues and viewpoints concerning management of natural resources. Problem areas will include forestry, mining, fisheries and wildlife management, energy, recreation and land use planning.

Credit Hours: 3 (to be graded satisfactory/unsatisfactory) Vector: 3-0-0 Prerequisite(s) if any: None

ENROLLMENT AND SCHEDULING:

Estimated Enrollment: Twenty When will the course first be offered: Fall 1990, although it has been offered in a non-credit form every year since 1980

How often will the course be offered: _____

JUSTIFICATION:

This field course has been an informal requirement since 1980 and we wish to give students formal recognition of it on their transcripts. The course provides an overview of major issues in resource management and it therefore is an essential component of the graduate program.

RESOURCES:

Which Faculty member will normally teach the course: Various Faculty in Natural Resources Mgt.

What are the budgetary implications of mounting the course: None; our budget already covers it.

Are there sufficient Library resources (append details): Yes, based on resources for other MRM courses.

- Appended: a) Outline of the Course
- b) An indication of the competence of the Faculty member to give the course.
- c) Library resources

Approved: Departmental Graduate Studies Committee: Randall H. Peterson Date: 27 Sept. '89

Faculty Graduate Studies Committee: Joseph Peters Date: 10/10/89

Faculty: [Signature] Date: 11/10/89

Senate Graduate Studies Committee: B.P. Clay Date: 31 Oct/89

Senate: _____ Date: _____

Course Outline
MRM 698
Field Resource Management Workshop

An intensive field course will be held in some region of British Columbia to introduce students to the diversity of issues and viewpoints concerning management of natural resources. Students will participate in lectures and seminar discussions with managers of natural resources and with consumptive and non-consumptive resource users. Topics will include:

- I. Forestry:
 - A. Management of forests for:
 - 1. Lumber, pulp, and paper (large and small-scale users)
 - 2. Recreation
 - 3. Social benefits
 - 4. Biological diversity
 - B. Effects of forest management practices on wildlife, fish, and soils

- II. Mining:
 - A. Biophysical and social impacts of mining
 - B. Effects of coal and metal mining on fish, wildlife, and environmental esthetics

- III. Fisheries:
 - A. Management of fisheries for:
 - 1. Commercial harvest
 - 2. Sport harvest
 - 3. Non-consumptive recreation value (tourism at spawning sites/hatcheries)
 - 4. Other social values

- IV. Parks and land use:
 - A. Zoning, planning, and management
 - B. Environmental impacts
 - C. Conflicts with forestry, mining, and hydroelectricity

- V. Energy:
 - A. Exploitation of energy resources
 - B. The role of energy in economic activity
 - C. Energy/environment trade-offs

- VI. Native Issues:
 - A. Native perspective on land use and environment
 - B. Conflicts with other users - - forestry, mining, parks
 - C. Land claims

VII. Regional Development:

- A. Role of natural resources in regional development
- B. Resource project feasibility analysis
- C. Management of resource based economies

VIII. Water Management:

- A. Comprehensive planning for multiple resource uses
- B. Comparative institutional arrangements

Competence of Faculty to give the course, MRM 698

Drs. Day, Gunton, Jaccard, and M'Gonigle have run this course on an informal non-credit basis for the last 9 years. The strong, positive feedback from students documents its success.

:MRM698.doc

8 February, 1989

Background in Support of Natural Resources Management's Creation of Two New Graduate Courses: Practicum I and II.

The Natural Resources Management Program is an interdisciplinary graduate program that leads to a professional masters degree in resource management (MRM degree). Given the professional orientation of the MRM program, considerable emphasis is placed on professional experience and applied problem solving.

To strengthen the applied professional training in MRM, it is proposed that two new courses be created entitled Practicum I and Practicum II. These courses would be optional non-credit courses consisting of short-term professional employment in a relevant resource management agency. To date, a number of agencies have approached MRM wishing to hire graduate students on a one-semester basis as part of a cooperative program. Such an arrangement would provide valuable professional experience and funding for MRM graduate students.

Specifically, Practicum I and II would be structured as follows:

- 1) Enrollment in Practicum I and/or II is optional.
- 2) To be eligible for Practicum I, the student would have to have completed at least one semester in the MRM program and receive the written permission of MRM's Co-op Coordinator.
- 3) Students should apply for enrollment at least one semester in advance. Practicum I is a prerequisite for taking Practicum II.
- 4) Practicum I and II each requires successful completion of not less than 4 months of paid work related to natural resource management in a relevant public or private agency or company. The eligibility of the proposed position will be decided by the Co-op coordinator based on a description of the position provided by the cooperating agency or company.
- 5) Practicum I and II will each be graded on a satisfactory/unsatisfactory basis by the Co-op Coordinator. The grade will be based on a written or oral report by the student's work supervisor (or the department's Co-op Coordinator) assessing the student's work performance and a written report by the student outlining research undertaken and experience gained during the term.
- 6) The successful completion of each practicum course will be duly recorded on the student's transcript, and the student will receive a Co-op Program certificate.

PracI&II

Karroll M. Peterson

SIMON FRASER UNIVERSITY

MEMORANDUM

To..... Walter Wattamaniuk, Secretary
..... Senate Committee on Academic Planning
Subject..... Co-op Courses for MRM

From..... Marian McGinn
..... Registrar's
Date..... May 8, 198

The attached proposals for two new courses in the Natural Resources Management Program, Practicum I and II, were approved by the Senate Graduate Studies Committee at thier Meeting on April 3, 1989.

Marian

mm/

New Graduate Course Proposal Form

CALENDAR INFORMATION:

Department: Natural Resources Management Program Course Number: MRM 690

Title: Practicum I

Description: First semester of work experience in Natural Resource Management's Co-operative Education.

Credit Hours: 0 Vector: _____ Prerequisite(s) if any: _____
Students must be enrolled as graduate students in the Natural Resource Management Program, must have completed at least one semester's courses in that program, and must have the permission of MRM's Co-op Coordinator. Students should apply to that Coordinator at least one semester in advance.

ENROLLMENT AND SCHEDULING:

Estimated Enrollment: 10/year When will the course first be offered: 1990

How often will the course be offered: At least once per year as required.

JUSTIFICATION:

RESOURCES:

Which Faculty member will normally teach the course: Not applicable

What are the budgetary implications of mounting the course: None

Are there sufficient Library resources (append details): Not applicable

- Appended:
- a) Outline of the Course
 - b) An indication of the competence of the Faculty member to give the course.
 - c) Library resources
- Not applicable

Approved: Departmental Graduate Studies Committee: Randall M. Patten Date: 8 Feb. 1989

Faculty Graduate Studies Committee: [Signature] Date: 17 Feb 1989

Faculty: _____ Date: _____

Senate Graduate Studies Committee: [Signature] Date: _____

Senate: _____ Date: _____

CALENDAR INFORMATION:

Department: Natural Resources Management Program Course Number: MRM 691

Title: Practicum II

Description: Second semester of work experience in Natural Resource Management's Co-operative Education Program.

Credit Hours: 0 Vector: _____ Prerequisite(s) if any: MRM 690

Students must be enrolled as graduate students in the Natural Resource Management Program and have completed Practicum I in that program, and must have the permission of MRM's

Co-op Coordinator. Students should apply to that Coordinator at least one semester in advance.

ENROLLMENT AND SCHEDULING:

Estimated Enrollment: 10/year When will the course first be offered: 1990

How often will the course be offered: At least once per year as required.

JUSTIFICATION:

RESOURCES:

Which Faculty member will normally teach the course: Not applicable

What are the budgetary implications of mounting the course: None

Are there sufficient Library resources (append details): Not applicable

- Appended: a) Outline of the Course
- b) An indication of the competence of the Faculty member to give the course.
- c) Library resources

Not applicable

Approved: Departmental Graduate Studies Committee: Randall M. Peters Date: 8 Feb. 1989

Faculty Graduate Studies Committee: David Brown Date: 12 Feb. 1989

Faculty: " Date: _____

Senate Graduate Studies Committee: B.P. Clay Date: _____

Senate: _____ Date: _____