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Faculty - Undergraduate Curriculum Committee

CONTACT

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Department Geoscience

PROPOSAL TYPE Undergraduate Curriculum Committee

COURSE Geol. Newfoundland

Suggested 2000

Undergraduate Curriculum Committee  
Newfoundland

Number and/or Title Change

Old Number and/or Full Old Title

Course Catalogue Description

White Salmon

New Brunswick

111

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111

111

## PART II. DESCRIPTION OF CURRICULUM CHANGE

New Syllabi of Records

### I. Catalog Description

GS 337 Geology of Newfoundland

3 credits

Pre-requisite: Permission of instructor

(var-3sh)

A field course designed to utilize the exceptional and diverse geologic features of Newfoundland for instruction of departmental majors and minors in tectonic analysis utilizing sedimentologic, stratigraphic and paleontologic observations. (2 units)

### II. Course Objectives

1. Students will learn to collect physical and fossil data from sedimentary rock exposures and assign the rocks to specific ages and depositional environments.
2. Students will gain experience in observing compositional and textural properties in igneous

**Day Activities**

1 IUP: Registration, packing of camping equipment and personal gear in the vans, shopping to stock coolers with food for first week of trip. Briefing session in the afternoon for an overview of Newfoundland geology, ground rules for the trip, and course policies.

[REDACTED]

3 Travel to North Sydney, Nova Scotia, Take ferry (5-6 hours) to Port aux Basques, Newfoundland. Examine metamorphic complexes and glacial deposits near Port aux Basques.

4 Examine and interpret origin of Hawke Bay Sandstone, Port au Port Group, and St George Group on Port au Port Peninsula.

5 Describe and evaluate depositional and tectonic significance of Table Head Group, American Tickle Formation, and overlying chert-mudstone rhythmites in Black Cove, Port au Port Peninsula. Examine the Mississippian "cold seep" marine vent fauna at Aguathuna Quarry.

[REDACTED] ... Point on north and west coast of Port au Port

[REDACTED]

[REDACTED]

[REDACTED]

rhythmites, glaciomarine diamictites, and the Precambrian-Cambrian boundary.

1. Describe the geological significance of the sedimentary rocks with Barrovian facies and interpret

**V. Required Textbook, Supplemental Book and Readings**

Students who do not have a manual describing the rock

**Course Analysis Questionnaire**

**Section A: Details of the course**

A1: This course is intended for majors and minors in the Geoscience Department. It may serve as a controlled elective in both the Geology and Environmental Geoscience programs. It is not a Liberal Studies course. Like other summer field courses in the department (GS 336 and GS 338), it serves a vital function in providing students with an opportunity to examine areas and features studied in the classroom and laboratory to gain an appreciation for the

B3: Continuing Education students will be accepted if they have sufficient breadth and depth in geology.

**Section C: Implementation**

C1: Faculty resources are adequate. The proposed course will continue to be offered on a rotating basis once every three years, alternating with GS 336 Geology of the Northern

~~Part of GS 336 Geology of the American Southwest~~