

Geog 102

NAME & NUMBER OF COURSE

SYNONYMOUS COURSES:

(a) replaces N/A
 (course #)

(b) cannot take N/A for further credit
 (course #)

SUPPLIES/MATERIALS:

TEXTBOOKS, REFERENCES, MATERIALS (List reading resources elsewhere)

OBJECTIVES:

General: This course focuses on earth landforms and their response to the terrestrial and extraterrestrial forces that shape their development. The processes involved in the formation of landforms are present along with descriptions and examples of the features themselves. Examples will be drawn from a wide variety of regional sources although particular emphasis will be placed on local and Canadian materials.

Instructional:- to be able to read and interpret topographic maps and aerial photographs
 - to understand the physical processes operating to mould the various landforms on the earth
 - to be aware of man's impact on the physical environment
 - to be able to identify basic landforms

METHODS:

The format of the course includes lectures, assigned readings, discussion groups, laboratory exercises, field trips and guest speakers. A number of audio-visual techniques and materials will be employed throughout the course. These include slides, films and overhead transparencies.

Laboratory exercises are designed to supplement the lecture and discussion materials. These will deal with the more practical aspects of the course, specifically map interpretation, landform identification and analysis.

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STUDENT EVALUATION PROCEDURE:

The mark for this course is made up as follows:

Laboratory exercises	30%
Project	20%
Mid Term Exam(s)	30%
Final Exam	20%

Labs are due one week after handout.

Incomplete Grades: Incomplete grades will be considered if requested, and must be discussed with the instructor at least one week before the end of class.

COURSE CONTENT

A full lecture, lab, and reading outline will be distributed early in the term. The following list of topics is a general guideline only.

<u>WEEK</u>	<u>TOPIC</u>	
<u>Week</u>	<u>Lecture Topics</u>	<u>Lab Topics</u>
I	Introduction to Physical Geography	Introductory field trip
II	The Earth in the Solar System - Topographical Maps	Topographical Maps
III	Topographical Maps Aerial Photographs	Topographical Maps and Air Photo Interpretation
IV	Earth Materials Rocks and Minerals	Rock and Mineral Identification
V	Structure of the Earth Continental Drift/Tectonics	Geologic Structure and Related Activity
VI	Volcanism - Volcanos	Volcanoes
VII	Mass Wastage	Mass Wastage
VIII	Fluvial Geomorphology Run off and ground-water	Midterm Examination
IX	Fluvial Geomorphology Stream Landforms Field Trip	Streams and Related Landforms

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COURSE CONTENT (contd.)

X	Glaciers and Glacial Landscapes	Glaciers and Associated Landforms
XI	Aeolian Geomorphology Field work/Field trip	Field work/Field trip
XII	Coastal Geomorphology	Marine Erosion and Deposition
XIII	Periglacial Environments	Periglacial Landforms
XIV	Landform Classification Landform Regions Man as a Geomorphological Agent	
XV	Review, Summary, Conclusions	Final Examination

Specific course outlines attached.