

SAULT COLLEGE OF APPLIED ARTS & TECHNOLOGY
SAULT STE. MARIE, ONTARIO

COURSE OUTLINE

Course Title: PHYSICAL GEOLOGY (GEOMORPHOLOGY)
Code No.: GEO 115-4
Program: GEOLOGICAL TECHNICIAN AND WATER RESOURCES TECHNOLOGY
Semester: I I
Date: FEBRUARY, 1987
Author: J. GIGUERE

New: _____ Revision: _____ X

APPROVED: 
Chairperson

Feb 17 1987
Date

GEOLOGY AND WATER RESOURCES
GEO 115-4

GEOMORPHOLOGY

CALENDAR DESCRIPTION

PHYSICAL GEOLOGY (GEOMORPHOLOGY)

GEO 115-4

COURSE NAME

COURSE NUMBER

PHILOSOPHY/GOALS:

This course is to introduce students to the fundamental principles governing the evolution and structure of the earth.

METHOD OF ASSESSMENT (GRADING METHOD):

An average grade of 60% is required to pass this course.

This will be based on theory (60%) and laboratory and filed work (40%).

Late laboratory or field assignments will not be accepted.

A student at the end of the course with an average grade between 50% and 60% will be allowed to write a supplementary exam.

TEXTBOOK(S):

1. The Earth: An Introduction the Physical Geology, by Tarbuck and Lutsgen.
2. Laboratory Manual in Physical Geology by Tasa and Bates.

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HOURS	TOPIC
4	1) Introduction a) Geology and other Sciences b) An introduction to physiographic terms c) The Earth as an external heat machine
16	2) Rocks and Minerals a) Minerals and their properties b) Igneous Rocks c) Sedimentary Rocks d) Metamorphic Rocks
4	3) Mass Wasting a) Classification of mass wasting
10	4) Water a) Surface water and its activities b) Ground water and its properties
16	5) Glaciation a) Alpine glaciation b) Erosion and deposition due to alpine glaciation c) Continental glaciation d) Erosion and deposition due to continental glaciation
8	6) Other Weathering Agents a) Wind action and Deserts b) Waves and the formation of beaches and coasts
14	7) Geological Structures a) Folding b) Faulting c) Earthquakes and mountain building d) Plains and Plateaus

NOTE: Each week will be subdivided into 2 hours of theory and 2 hours of laboratory or field work.