

Revised
Feb '87

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

COURSE OUTLINE

Course Title: PHYSICAL GEOLOGY (GEOMORPHOLOGY)
Code No.: GEO 115-4
Program: PARKS & RECREATION AND WATER RESOURCES
Semester: WR - SEM 1, PK & REC - SEM
Date: DECEMBER, 1983
Author: J. GIGUERE

New: _____ Revision: X

APPROVED:


Chairperson

December, 1983
Date

PARKS & RECREATION AND WATER RESOURCES
GEO 115-4
GEOMORPHOLOGY

CALENDAR DESCRIPTION

PHYSICAL GEOLOGY (GEOMORPHOLOGY)
COURSE NAME

GEO 115-4
COURSE NUMBER

PHILOSOPHY/GOALS:

This course is to introduce students, not majoring in Geology, 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 field 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):

Plummer and McGeary, Physical Geology, 2nd Edition, W.C. Brown Co. Pub., 1979

Zumberge, J.H., and Rutherford, Laboratory Manual for Plummer/Geary's Physical Geology, 1982

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GEOMORPHOLOGY

<u>HOURS</u>	<u>TOPIC</u>
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.