

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

COURSE OUTLINE

Course Title: PHYSICAL GEOLOGY  
Code No.: GEO 122-3  
Program: GEOLOGICAL ENGINEERING TECHNICIAN  
Semester: TWO  
Date: JANUARY, 1987  
Author: J. GIGUERE

New: \_\_\_\_\_ Revision: X

APPROVED:

  
Chairperson

Date

Feb 17/87

CALENDAR DESCRIPTION

PHYSICAL GEOLOGY

GEO 122-3

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COURSE NAME

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METHOD OF ASSESSMENT (GRADING METHOD):

SEMESTER PASS = 60% - 69% = C  
70% - 79% = B  
80% + = A

Final Grade will be based on:

- a) 6/10 on three test
- b) 2/10 on laboratory assignments
- c) 2/10 on a term paper

TEXTBOOKS:

1. The Earth: An Introduction to Physical Geology by Tarbuck and Lutgen.
2. Laboratory Manual in Physical Geology by Tasa and Bates.

PHYSICAL GEOLOGY  
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TOPIC	HOURS	TOPIC
1	8	<u>Metamorphism</u> a) Definitions b) Factors in metamorphic processes c) Contact metamorphism d) Regional metamorphism e) Metamorphic Facies f) Chemical Classes of Metamorphic Rocks g) Principles of equilibrium
2	8	<u>The Oceans</u> a) The ocean basins b) Physical oceanography c) Environments at the margins d) The ocean floors
3	22	<u>Landscapes</u> a) Gradation of the earth crust b) Gravity movements c) Hydrological activity i) surface water ii) ground water d) Wind e) Glaciation
4	20	<u>Structure of the Earth</u> a) Major crustal structure b) Faulting and orogeny c) Folding d) Continental shields e) Continental margins
5	2	<u>Geological Time Scale</u>