

Division: ACADEMIC DATE: NOVEMBER, 1991

B: Department: SOCIAL SCIENCES New Course: _____

Revision of Course Information form: X

DATED: OCTOBER 26, 1986

C: GEOGRAPHY 130 D: HUMAN IMPACT ON THE ENVIRONMENT E: 3
 Subject & Course No. Descriptive Title Semester Credit

F: Calendar Description:
 This course is an introduction to the tradition in Geography that studies the relationships between human groups and the physical environment. The central focus of the course is on human beings as agents of environmental change and consumers of world resources.

Summary of Revision:
 (Enter date & section)
 Ex: Section C,E,F, & R

 D, R, F

G: Type of Instruction: Hours Per Week/

Lecture	<u>4</u>	Hrs.
Laboratory	_____	Hrs.
Seminar	_____	Hrs.
Clinical Experience	_____	Hrs.
Field Experience	_____	Hrs.
Practicum	_____	Hrs.
Shop	_____	Hrs.
Studio	_____	Hrs.
Student Directed Learning	_____	Hrs.
Other	_____	Hrs.
TOTAL	<u>4</u>	HOURS

H: Course Prerequisites:
 NIL

I: Course Corequisites:
 NIL

J: Course for which this course is a pre-requisite
 NIL

K: Maximum Class Size:
 35

M: Transfer Credit:
 Requested _____
 Granted X
 Specify Course Equivalents or Unassigned Credit as Appropriate

U.B.C. GEOG 110 (1.5 units)
 S.F.U. GEOG 102 (3 credits)
 U. Vic.
 OTHER:

L: College Credit Transfer X
 College Credit Non-Transfer _____

Don T. Jones, E. Peewess
 COURSE DESIGNER(S)

B.W. Selgan
 DIVISIONAL DEAN

Jon Hilbery
 DIRECTOR/CHAIRPERSON

P.H. Douglas
 REGISTRAR

N: Textbooks and materials to be Purchased by Students
(Use Bibliographic Form):

Goudie, A. The Human Impact on The Natural Environment. 3rd ed.
1990. Oxford: Basil Blackwell.

or a similar text to be selected by the instructor subject to approval by the discipline.

The text will be updated periodically.

O. Course Objectives; P. Course Content; Q. Method of Instruction;

R. Course Evaluation

O. COURSE OBJECTIVES

The major aims of the course are to emphasize the necessity for understanding the ways in which human activities affect natural cycles and to cultivate an awareness in students that the earth is our only possible home.

On successfully completing the course, students will be able to:

1. Describe the fundamental natural cycles that operate on the earth. (e.g. atmospheric and soil cycles).
2. Explain the basic concepts of ecology. (e.g. ecosystems and food chains).
3. Analyze human impact on various aspects of the natural world and be aware that human destructive interference is not a recent phenomenon.
4. Assess the extent and consequences of modern industrial and agricultural technologies: both on the earth and on its inhabitants.
5. Examine and critique the relationships that exist between environmental philosophies and attitudes and action.

I. Introduction

1. The "Man-land" tradition in Geography
2. Approaches to human-environment relationships
 - a) environmentalism
 - b) human agency
 - c) environmental perception
 - d) ecosystematic

II. How Nature Works

1. Natural cycles
2. Ecosystems
 - a) energy flows
 - b) food chains
 - c) niches
 - d) stability

III. Culture History

1. World population growth
2. Technological change

IV. Human Impact on the Physical World

1. Human impact on vegetation
 - a) fire
 - b) deforestation
 - c) desertification
2. Human influence on animals
 - a) domestication
 - b) dispersals
 - c) extinctions and expansions
3. Human impact on the soil
 - a) fertility
 - b) salinity
 - c) laterization
 - d) erosion
4. Human impact on the waters
 - a) rivers
 - i) dams
 - ii) channelization
 - iii) deforestation
 - b) ground water
 - c) pollution
5. Human impact on the climate and the atmosphere
 - a) carbon dioxide levels
 - b) ozone change
 - c) pollutants
 - d) acid deposition
 - e) urban climates
6. Humans as Geomorphological Agents

V. Conclusion

1. Environmental attitudes and action
2. Environmental legislation in Canada
3. Prospects

Q. METHOD OF INSTRUCTION

The presentation of information will be by means of lectures, discussion groups, films and slides. Field trips and field work will take place in class time. Some map and lab work will also be included.

R. COURSE EVALUATION

The evaluation will be carried out in accordance with Douglas College policy and will include a suitable combination of the following factors:

1. Tests/examinations with a combined value of up to 60%.
2. A series of no fewer than 5 objective tests with a combined value of up to 25%.
3. A term project or paper with a value of up to 25%.
4. An individual or group presentation on an assigned topic with a value of up to 20%.
5. Attendance and participation assessed in a manner pre-specified.
6. Field work with a value of up to 15%.

At the beginning of the semester the instructor will present the students with the evaluation procedure to be used.