A: Division: ACADEMIC DATE: OCTOBER 3, 1994

Department: SOCIAL SCIENCES New Course: _____

Revision of Course information form: X

DATED: October 1979

C: ANTHROPOLOGY 111 D: INTRODUCTION TO PHYSICAL ANTHROPOLOGY E: 3
Subject & Course No. Descriptive Title Semester Credit

F: Calendar Description:

This course surveys the scope, goals, and major discoveries of physical anthropology, dealing particularly with human biological evolution, the hominid fossil record, and present physical diversity.

Summary of Revision:
(Enter date & section)

1994-10-03
Section N, O, P, Q, R

G: Type of Instruction: Hours Per Week/

Lecture	4	Hrs.
Laboratory		Hrs.
Seminar		Hrs.
Clinical Experience		Hrs.
Field Experience		Hrs.
Practicum		Hrs.
Shop		Hrs.
Studio		Hrs.
Student Directed Learning		Hrs.
Other		Hrs.

TOTAL 4 HOURS

H: Course Prerequisites:
NONE

I: Course Corequisites:
NONE

J: Course for which this course is a prerequisite
ANTH 210

K: Maximum Class Size:
35

L: College Credit Transfer X

College Credit Non-Transfer _____

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

U.B.C. ANTH 140 (3)
S.F.U. ARCH 131 (3)
U. Vic. ANTH 100 level (1.5)
OTHER:

Alan McMillan
COURSE DESIGNERS

DIVISIONAL DEAN

Elizabeth Peeters
DIRECTOR/CHAIRPERSON

REGISTRAR

Textbooks and materials to be purchased by students
(Use Bibliographic Form):

Nelson, H., Jurmain, R. and Kilgore, L., (1992) Essentials of Physical Anthropology
St. Paul, West Publishing Co.

The text will be updated periodically.

Complete Form with Entries Under the Following Headings:

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

R. Course Evaluation

O. **Course Objectives**

At the conclusion of the course the student will be able to:

1. Discuss scope and goals of physical anthropology, and its place within and contributions to the broader discipline of anthropology.

2. Discuss the major subfields of physical anthropology and the research techniques employed by each.

3. Outline the major theories of biological evolution, from Darwin and Mendel to the modern synthesis.

4. Identify major skeletal elements of the human body.

5. Discuss the importance of studies of our closest relatives, the non-human primates, to the understanding of human biology and evolution.

6. Discuss the hominid fossil record: how it is formed, major discoveries and interpretations, and the limitations inherent in the data.

7. Assess the major techniques of dating fossil discoveries and their limitations.

8. Discuss modern human physical diversity and theories on the adaptive value of such inherited traits.

P. **Course Content**

1. Introduction:
   The discipline of anthropology and its subdivisions
   The nature of physical anthropology - scope, goals, and techniques

2. Background to Modern Evolutionary Theory:
   Early concepts of human antiquity
   Darwin and his contemporaries
   Mendel and the beginnings of modern genetics

3. The Genetic Basis of Human Evolution

4. Human Osteology

5. Primatology:
Modern studies of non-human primates and implications for human evolution

6. Geological Time and the Fossil Primates

7. Plio-Pleistocene Fossil Hominids - Australopithecus and Early Homo

8. Homo Erectus

9. Homo Sapiens - Neanderthal and Modern

10. Contemporary Human Physical Adaptability and Variation.

Q. Method of Instruction

Course content will be conveyed through:

- lectures
- films and slide presentations
- several "in-class labs", using human skeletal elements and casts of hominid fossils.

R. Course Evaluation

A course handout with specific information on course assignments will be given in the first class. The evaluation system used will follow Douglas College policy.

A typical evaluation scheme might include the following:

3 exams (each on 1/3 of the course) (25% each)	75%
2 identification quizzes (5% each)	10%
1 short paper (on a specific aspect of interpreting the fossil record)	10%
Attendance and participation	5%
	100%