



COURSE IMPLEMENTATION DATE: Fall 1992
 COURSE REVISED IMPLEMENTATION DATE: September 2010
 COURSE TO BE REVIEWED: January 2014
(four years after UPAC approval) *(month, year)*

OFFICIAL UNDERGRADUATE COURSE OUTLINE INFORMATION

Students are advised to keep course outlines in personal files for future use.
 Shaded headings are subject to change at the discretion of the department – see course syllabus available from instructor

GEOG 102	Geography	4
COURSE NAME/NUMBER	FACULTY/DEPARTMENT	UFV CREDITS
Evolution of the Earth's Surface		
COURSE DESCRIPTIVE TITLE		

CALENDAR DESCRIPTION:

This is a course in the study of the origins and development of the earth's surface features. Emphasis will be placed on the physical processes underlying the dynamics of our changing landscape. Field trips outside of class time are required.

PREREQUISITES: None
 COREQUISITES:
 PRE or COREQUISITES:

SYNONYMOUS COURSE(S):

- (a) Replaces: _____
- (b) Cross-listed with: _____
- (c) Cannot take: _____ for further credit.

SERVICE COURSE TO: *(department/program)*

TOTAL HOURS PER TERM: 75

STRUCTURE OF HOURS:

Lectures: 45 Hrs
 Seminar: _____ Hrs
 Laboratory: 24 Hrs
 Field experience: 6 Hrs
 Student directed learning: _____ Hrs
 Other (specify): _____ Hrs

TRAINING DAY-BASED INSTRUCTION:

Length of course: _____
 Hours per day: _____

OTHER:

Maximum enrolment: 25
 Expected frequency of course offerings: Every semester
(every semester, annually, every other year, etc.)

WILL TRANSFER CREDIT BE REQUESTED? (lower-level courses only) Yes No
 WILL TRANSFER CREDIT BE REQUESTED? (upper-level requested by department) Yes No
 TRANSFER CREDIT EXISTS IN BCCAT TRANSFER GUIDE: Yes No

Course designer(s): <u>Dr. Olav Lian</u>	Date approved: <u>November 2009</u>
Department Head: <u>Dr. Ken Brealey</u>	Date of meeting: <u>November 27, 2009</u>
Supporting area consultation (Pre-UPAC)	Date approved: <u>January 2010</u>
Curriculum Committee chair: _____	Date approved: <u>January 2010</u>
Dean/Associate VP: <u>Dr. Jacqueline Nolte</u>	Date of meeting: <u>January 29, 2010</u>
Undergraduate Program Advisory Committee (UPAC) approval	

LEARNING OUTCOMES:

Upon successful completion of this course, students will be able to:

- read and interpret topographic maps and aerial photographs
- demonstrate an understanding of the physical processes operating on the earth's surface
- identify basic landforms and landform formation processes
- identify common rocks and minerals.

METHODS: *(Guest lecturers, presentations, online instruction, field trips, etc.)*

The format of the course includes lectures, laboratory sessions, and field trips. Laboratory assignments are designed to supplement lecture topics while field trips provide an informal learning experience 'in the field'.

METHODS OF OBTAINING PRIOR LEARNING ASSESSMENT RECOGNITION (PLAR):

Examination(s) Portfolio assessment Interview(s)

Other (specify):

PLAR cannot be awarded for this course for the following reason(s):

TEXTBOOKS, REFERENCES, MATERIALS:

[Textbook selection varies by instructor. An example of texts for this course might be:]

Christopherson, R.W.,2003. Geosystems: An Introduction to Physical Geography Fifth Edition. Upper Saddle River, NJ: Pearson Ed.

SUPPLIES / MATERIALS:

Nominal field trip fee

STUDENT EVALUATION:

[An example of student evaluation for this course might be:]

Lab assignments, lab exams, projects, quizzes, field trip reports	50%
Midterm exam	25%
Final exam	25%

COURSE CONTENT:

[Course content varies by instructor. An example of course content might be:]

Lecture and Lab Topics

- 1 Introduction to Physical Geography
- 2 Geologic Time Scale
- 3 Minerals / Mineral Identification
- 4 Volcanism and Igneous Rocks / Igneous Rock Identification
- 5 Weathering, Sedimentary and Metamorphic Rocks / Sedimentary and Metamorphic Rock Identification
- 6 Plate Tectonics / Introduction to Topographic Maps
- 7 Earthquakes and Seismology / Contours and Profile Construction
- 8 Fluvial Processes and Landforms / Fluvial Landform Identification
- 9 Glacial Processes and Landforms / Coastal Landforms Identification
- 10 Coastal Processes and Landforms / Coastal Landforms Identification
- 11 Aeolian Processes and Landforms / Groundwater
- 12 Mass Wasting Processes / Mass Movement Landforms
- 13 Periglacial Processes and Landforms
- 14 Introduction to Biogeography