| **PROFESSOR:** |   |
| --- | --- |
| **OFFICE LOCATION:** |   |
| **OFFICE HOURS:** |   |
| **PHONE NUMBER:** |   |
| **E-MAIL:** |   |
| **SEMESTER:** |   |
| **DELIVERY METHOD:** |   |

# COURSE NUMBER AND TITLE, CATALOG DESCRIPTION, CREDITS:

## GLY 1010 Physical Geology (3 Credits)

This course is an introduction to the study of the materials, structures and features of the Earth and the processes that produced them. Topics addressed include classification of rocks, their origin, seismicity and plate tectonics in the Earth, glaciation, mountain building (orogeny), hydrology, weathering/erosion and geologic time. For both science and non-science majors. May be taken before or after GLY 1100C.

## PREREQUISITES FOR THIS COURSE:

SB 1720 Testing Exemption or successful completion of all Developmental courses

### CO-REQUISITES FOR THIS COURSE:

None

## GENERAL COURSE INFORMATION:

Topic Outline

 Plate tectonics as a theory and association with uniformitarianism

 Rocks and minerals; compare/contrast major rock and mineral types

 Rock cycle

 Geologic hazards

 Study of resources ranging from groundwater to fossil fuels

 Glaciers and factors affecting glacial/interglacial periods

 Structural features associated with the geomorphology

 Weathering from erosion, mass wasting and identify causes/effects of each

 Basis of geologic time

 General characteristics of mountain building (orogeny)

 General hydrologic circumstances in various geologic settings

## ALL COURSES AT FLORIDA SOUTHWESTERN STATE COLLEGE CONTRIBUTE TO THE GENERAL EDUCATION PROGRAM BY MEETING ONE OR MORE OF THE FOLLOWING GENERAL EDUCATION COMPETENCIES:

**C**ommunicate clearly in a variety of modes and media.

**R**esearch and examine academic and non-academic information, resources, and evidence.

**E**valuate and utilize mathematical principles, technology, scientific and quantitative data.

**A**nalyze and create individual and collaborative works of art, literature, and performance.

**T**hink critically about questions to yield meaning and value.

**I**nvestigate and engage in the transdisciplinary applications of research, learning, and knowledge.

**V**isualize and engage the world from different historical, social, religious, and cultural approaches.

**E**ngage meanings of active citizenship in one’s community, nation, and the world.

A. General Education Competencies and Course Outcomes

1. Listed here are the course outcomes/objectives assessed in this course which play an integral part in contributing to the student’s general education along with the general education competency it supports.

 General Education Competency: Evaluate

 Course Outcomes or Objectives Supporting the General Education Competency Selected:

 Defend theory of plate tectonics, analyze and interpret orogeny as it applies to

tectonic theory.

 Identify zones of Earth’s interior and explain their significance.

 Identify and interpret groundwater data and produce hydrographs summarizing the hydrologic cycle.

2. Listed here are the course outcomes/objectives assessed in this course which play a supplemental role in contributing to the student’s general education along with the general education competency it supports.

 General Education Competency: Think

 Course Outcomes or Objectives Supporting the General Education Competency Selected:

 Infer rock type within the context of geologic setting.

 Define impacts of use of geologic resources and hazards on the environment.B. Other Course Objectives/Standards

 Define geologic weathering types and give examples of mass wasting.

 Explain the rock cycle and indicate examples of absolute and/or relative dating.

## DISTRICT-WIDE POLICIES:

### PROGRAMS FOR STUDENTS WITH DISABILITIES

Florida SouthWestern State College, in accordance with the Americans with Disabilities Act and the College’s guiding principles, offers students with documented disabilities programs to equalize access to the educational process. Students needing to request an accommodation in this class due to a disability, or who suspect that their academic performance is affected by a disability should contact the Office of Adaptive Services at the nearest campus. The office locations and telephone numbers for the Office of Adaptive Services at each campus can be found at <https://www.fsw.edu/adaptiveservices>.

### REPORTING TITLE IX VIOLATIONS

Florida SouthWestern State College, in accordance with Title IX and the Violence Against Women Act, has established a set of procedures for reporting and investigating Title IX violations including sexual misconduct. Students who need to report an incident or need to receive support regarding an incident should contact the Equity Officer at equity@fsw.edu. Incoming students are encouraged to participate in the Sexual Violence Prevention training offered online. Additional information and resources can be found on the College’s website at <https://www.fsw.edu/sexualassault>.

## REQUIREMENTS FOR THE STUDENTS:

List specific course assessments such as class participation, tests, homework assignments, make-up procedures, etc.

## ATTENDANCE POLICY:

The professor’s specific policy concerning absence. (The College policy on attendance is in the Catalog and defers to the professor.)

## GRADING POLICY:

Include numerical ranges for letter grades; the following is a range commonly used by many faculty:

| **Grade Percent** | **Letter Grade** |
| --- | --- |
| 90 - 100 | A |
| 80 - 89 | B |
| 70 - 79 | C |
| 60 - 69 | D |
| Below 60 | F |

(Note: The “incomplete” grade [“I”] should be given only when unusual circumstances warrant. An “incomplete” is not a substitute for a “D,” “F,” or “W.” Refer to the policy on “incomplete grades.)

## REQUIRED COURSE MATERIALS:

(In correct bibliographic format.)

## RESERVED MATERIALS FOR THE COURSE:

Other special learning resources.

## CLASS SCHEDULE:

This section includes assignments for each class meeting or unit, along with scheduled Library activities and other scheduled support, including scheduled tests.

## ANY OTHER INFORMATION OR CLASS PROCEDURES OR POLICIES:

(Which would be useful to the students in the class.)