



Alabama Community College System

GLY 102 Introduction to Geology II (Historical Geology)

I. GLY 102 Introduction to Geology II (Historical Geology) —4 Semester Hours

II. Course Description

Historical geology is the study of Earth's history with a focus on the geological history of North America. Topics include geologic time, paleontology, sea-floor spreading and continental drift, and mountain building. Labs include studies of fossils, paleogeography and geological maps and cross-sections.

III. Prerequisite

As required by the program

IV. Textbook

Due to the varied selection of quality college level textbooks, each college will select the textbook needed to meet the requirements of this course.

V. Course Learning Outcomes

By the end of the course, students will be able to:

1. apply the scientific method in theory and laboratory.
2. apply content to solve geological problems.
3. interpret and analyze geologic data, maps, and cross-sections.
4. identify specimens of fossils and distinguish their characteristics.
5. determine relative and/or absolute age of rock units
6. describe the geologic time scale and apply it to Earth's history.

VI. Course Outline of Topics

1. Basic principles of physical and historical geology
2. Geologic time: relative and absolute
3. Paleontology: fossilization, evolution, and origins
4. Early evolution of the Earth
5. Precambrian Earth: Archean and Proterozoic
6. Paleozoic World and Life
7. Mesozoic World and Life
8. Cenozoic World and Life
9. Quaternary Ice Ages

VII. Evaluation and Assessment

Grades will be given based upon A = 90 – 100%, B = 80 – 89%, C = 70 – 79%, D = 60 – 69%, and F = below 60%.

VIII. Attendance

Students are expected to attend all classes for which they are registered. Students who are unable to attend class regularly, regardless of the reason or circumstance, should withdraw from that class before poor attendance interferes with the student's ability to achieve the objectives required in the course. Withdrawal from class can affect eligibility for federal financial aid.

IX. Statement on Discrimination/Harassment

It is the official policy of the Alabama Community College System and entities under its control, including all Colleges, that no person shall be discriminated against on the basis of any impermissible criterion or characteristic, including, without limitation, race, color, national origin, religion, marital status, disability, sex, age, or any other protected class as defined by federal and state law. (ACCS Policies 601.02 and 800.00)

X. Americans with Disabilities

The Rehabilitation Act of 1973 (Section 504) and the *Americans with Disabilities Act of 1990* state that qualified students with disabilities who meet the essential functions and academic requirements are entitled to reasonable accommodations. It is the student's responsibility to provide appropriate disability documentation to the College.