ARIZONA WESTERN COLLEGE
SYLLABUS

GLG 102 INTRODUCTION TO GEOLOGY 2
Credit Hours: 4 Lec 3 Lab 2

General Education Course: G (global awareness)

PREREQUISITES: GLG 101

COURSE DESCRIPTION
The chronological account of the physical changes of the earth and the evolution of life upon it. Includes an introduction to basic stratigraphic and paleontological principles, the origin of the earth and its geological development through time.

1. COURSE GOALS
   - 1.1 Be introduced to the organic and physical history of the Earth and the process by which earth scientists investigate geological problems.
   - 1.2 Gain a better understanding of the physical, chemical and biological inter-relationships that have existed and changed throughout the Earth's history.
   - 1.3 Understand that the Earth's current geography is much different than that of the past and how these paleogeographical interpretations are accomplished.

2. OUTCOMES
   Upon satisfactory completion of this course, students will be able to:
   - 2.1 collect and correlate geologic data, to prepare and interpret graphs, maps, and diagrams of geologic data.
   - 2.2 identify and recognize major fossils of animals and plants and understand their evolution.
   - 2.3 understand the inter-relationships between geology and other areas of science.

3. AWC GENERAL EDUCATION (GE) OUTCOMES
   - 3.1 COMMUNICATION
     - Write effectively and intelligently for a range of purposes and audiences in the English language (e.g., informing, persuading, advancing an argument, expressing, creating, etc.)
   - 3.2 QUANTITATIVE ANALYSIS
     - Identify and extract relevant data from given mathematical or contextual situations
     - Select known models or develop appropriate models that organize the data into: tables or spreadsheets (with or without technology); graphical representations (with or without technology); symbolic/equation format
     - Obtain correct mathematical results and state those results with appropriate qualifiers and use the results to: determine whether they are realistic in terms of original data/problem; determine whether the mathematical model/representation of data is appropriate; describe trends in a table, graph, or formula and make predications based on these trends; draw qualitative conclusions in written form; apply them to real world problems
   - 3.3 SCIENTIFIC LITERACY
     - Distinguish between a scientific hypothesis and scientific theory
     - Describe the scientific method as a process
     - Utilize data to communicate and apply an understanding of scientific logic and/or quantitative reasoning

- Analyze an article in popular literature that pertains to science and interpret the findings in terms of public policy, personal experience, or daily life

3.4 CIVIC DISCOURSE

- Study of a scientific discipline that includes ecological and environmental interrelationships.
- Include contemporary subject matter.
- Examine past human events in a sequential manner.
- Use broad historical views, showing the interconnectedness of events/ideas/creations/themes/theories.
- Analyze sources of information that interpret human developments, ideas and institutions in the sequence or sequences of past events (example: a course that covers not only what happened in the past, but examines the historical influences that explain why this past occurred as it did or why present human developments have occurred).

4. METHODS OF INSTRUCTION
   - 4.1 Reading assignments
   - 4.2 Audio-visual and multi-media aids
   - 4.3 Lectures
   - 4.4 Laboratory exercises
   - 4.5 Field trips
   - 4.6 Written assignments

5. LEARNING ACTIVITIES
   - 5.1 Reading assignments
   - 5.2 Class discussions
   - 5.3 Laboratory exercises
   - 5.4 Fossil identification
   - 5.5 Preparing and interpreting maps
   - 5.6 Typed research paper or field trip report

6. EVALUATION
   - 6.1 Quizzes
   - 6.2 Laboratory exercises
   - 6.3 Research essay
   - 6.4 Exams

7. STUDENT RESPONSIBILITIES
   - 7.1 Under AWC Policy, students are expected to attend every session of class in which they are enrolled.
   - 7.2 If a student is unable to attend the course or must drop the course for any reason, it will be the responsibility of the student to withdraw from the course. Students who are not attending as of the 45th day of the course may be withdrawn by the instructor. If the student does not withdraw from the course and fails to complete the requirements of the course, the student will receive a failing grade.
   - 7.3 Americans with Disabilities Act Accommodations: Arizona Western College provides academic accommodations to students with disabilities through AccessABILITY Resource Services (ARS). ARS provides reasonable and appropriate accommodations to students who have documented disabilities. It is the responsibility of the student to make the ARS Coordinator aware of the need for accommodations in the classroom prior to the beginning of the semester. Students should follow up with their instructors once the semester begins. To make an appointment call the ARS

front desk at (928) 344-7674 or ARS Coordinator at (928) 344-7629, in the College Community Center (3C) building, next to Advising.

7.4 Academic Integrity: Any student participating in acts of academic dishonesty—including, but not limited to, copying the work of other students, using unauthorized "crib notes", plagiarism, stealing tests, or forging an instructor's signature—will be subject to the procedures and consequences outlined in AWC's Student Code of Conduct.

7.5 Texts and Notebooks: Students are required to obtain the class materials for the course.

7.6 Arizona Western College students are expected to attend every class session in which they are enrolled. To comply with Federal Financial Aid regulations (34 CFR 668.21), Arizona Western College (AWC) has established an Attendance Verification process for "No Show" reporting during the first 10 days of each semester.

Students who have enrolled but have never attended class may be issued a "No Show" (NS) grade by the professor or instructor and receive a final grade of "NS" on their official academic record. An NS grade may result in a student losing their federal financial aid.

For online classes, *student attendance in an online class is defined as the following* (FSA Handbook, 2012, 5-90):

- Submitting an academic assignment
- Taking an exam, an interactive tutorial or computer-assisted instruction
- Attending a study group that is assigned by the school
- Participating in an online discussion about academic matters
- Initiating contact with a faculty member to ask a question about the academic subject studied in the course