

JAMESTOWN COMMUNITY COLLEGE
State University of New York

Master Course Syllabus

Course Title: The Age of Dinosaurs

Course Abbreviation and Number: GLG 1620

Credit Hours: 1 **Division:** STEM **Course Type:** Lecture

Course Description: Students will explore life on earth during the Mesozoic era, the "age of dinosaurs." Through the use of readings, lectures, extensive audiovisual aids, the Internet and laboratory exercises, students will study major geologic events of this period, identify the behavior of the most common dinosaurs, and identify common Mesozoic marine and plant life. Class discussions and assignments will include new and controversial theories explaining the evolution, behavior, and extinction of dinosaurs. During mini-labs students will handle and learn to identify common dinosaur fossils.

Corequisite: ENG 1530.

Course Attributes: E,L,N

(C=Career, E=Elective, H=Humanities, L=Liberal Arts & Sciences, N=Mathematics/Sciences, S=Social Sciences; VEDP=Values, Ethics & Diverse Perspectives)
4-letter codes represent SUNY General Education Courses, please see below to determine which SUNY General Education requirement(s) is met.

Student Learning Outcomes:

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

1. Understand and describe the global environment of the Mesozoic Period, concepts of stratigraphy, radiometric dating, as well as the fossil evidence that exists for the existence of dinosaurs.
2. Describe the taxonomy and evolutionary history of the major dinosaur groups.
3. Discuss and interpret the evidence regarding the biological nature of dinosaurs, as well as their evolutionary relationship to birds.
4. Identify or discuss the major theories that explain the Cretaceous-Tertiary extinction event that is responsible for the demise of the dinosaurs.

Additional Student Learning Outcomes that meet SUNY General Education Requirements:

Does this course meet a SUNY General Education requirement(s)? Yes No

Topical Outline:

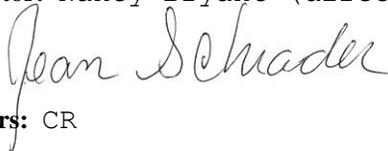
- Overview of geologic timeline and the location of the Mesozoic. Description of the global Mesozoic environment.
 - Evidence for and methods of dating the evidence for dinosaurs (fossils, radiometric dating, positional (stratigraphy) dating.
 - Taxonomy and evolutionary history of dinosaurs.
 - Relationship of dinosaurs to birds
 - The Cretaceous-Tertiary extinction event.
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Signatures and Dates:

Discipline Director: Nancy Bryant (director)

Date: 12/16/09

Assistant Dean:



Date: 1/12/2010

Academic Affairs: CR

Date: 1/12/2010

Effective Date: Spring 2010