EAS 1109  **DINOSAURS: THE SYLLABUS — SUMMER 2018**  30 May-22 June*

Videotaped lectures and accompanying notes and other materials examine the historical evidence and illustrate how various geological and biological specialties contribute to understanding dinosaurs and their world.  

**Classes** will conducted via the Summer 2018 EAS 1109 Blackboard site*, so please make sure you are familiar with Blackboard. Everything you’ll need, including lecture materials and tests, will be available there. 

Questions and class discussions will be conducted using Blackboard’s Discussion Board feature so that everyone will have access to the proceedings. Asking questions and joining in discussions of the answers makes for a good class. Please don’t be shy.  

**Required reading:** Lecture notes and PowerPoints on Blackboard*.  


**Grades** will be based on each student’s top three out of four test scores, with letter grades curved to the totals. Test scores seem to be widely regarded as low, but letter grades, as generous and forgiving. Tests, like other material, will be cumulative; but Tests 1-3 each will concentrate on the group of lectures immediately preceding. Keys to past semesters’ tests are posted on Blackboard to give an idea of what to expect. Thoughtful participation in Discussion Board proceedings is appreciated. 

Exams are spaced to help you distribute your work over the three-week session, but otherwise please feel free to work at your own pace. Students will be on their honor to follow Cornell’s *Code of Academic Integrity*.  

**Class**  

**TOPIC, with recommended reading by chapter in Dinosaurs: The Textbook**  

**Test 0:**  Strictly for fun, to familiarize everyone with the course and with Blackboard tests  

1. **Introduction:** Questions About Dinosaurs — An overview of the course. How can it contribute to a liberal education?  **Recommended:** Look over Dinosaurs: The Textbook, especially 1, 11, 17  

2. **Putting Dinosaurs in Historical Perspective** — What’s behind the conclusion that an asteroid impact ~66 million years ago precipitated the K/T mass extinction, and that dinosaurs survived to become today’s most diverse terrestrial vertebrates?  **Dinosaurs: The Textbook** 2, 3, 12  

3. **How it All Began** — Life’s origin, its history in the ocean, and the “Cambrian Explosion”  **Dinosaurs: The Textbook** 3  

4. **Life Invades the Land** — The dinosaurs’ world takes shape, the original Green Revolution.  **Dinosaurs: The Textbook** 3, 4  

**Test 1:**  Open Notes, 15 Minutes, 12:01 AM† Saturday the 9th—11:59 PM† Monday the 11th  

5. **The Dinosaur Family Album I** — Sauropods’ diversification.  **Dinosaurs: The Textbook** 4  

6. **The Dinosaur Family Album II** — Dinosaurs’ diversification.  **Dinosaurs: The Textbook** 4, 5, 14  

7. **The Dinosaur Family Album III** — Theropods, Sauropodomorphs.  **Dinosaurs: The Textbook** 5, 6, 15  

8. **The Dinosaur Family Album IV** — Sauropods, early Ornithischians.  **Dinosaurs: The Textbook** 6-8  


**Test 2:**  Open Notes, 15 Minutes, 12:01 AM† Saturday the 16th – 11:59 PM† Monday the 18th  


11. **The Mesozoic World** — Plate tectonics and continental drift; the atmosphere, ocean, and climate through time — and what they have to with sauropods’ viability and the price of gasoline?  **Dinosaurs: The Textbook** 10  

12. **What Happened AFTER the K/T Event?** — What about birds, and what about us mammals?  **Dinosaurs: The Textbook** 5, 14-16  

13. **Mass Extinctions** — Dinosaurs: The Textbook 16  

**Tests 3 and 4:**  Open Notes, 15 Minutes each, 12:01 AM† – 11:59 PM† Friday the 22nd  

*Videotapes of the lectures are accessible through Blackboard. Site available mid-May 2018  
†Eastern Standard Time. Please make sure to allow for any difference in time zone.