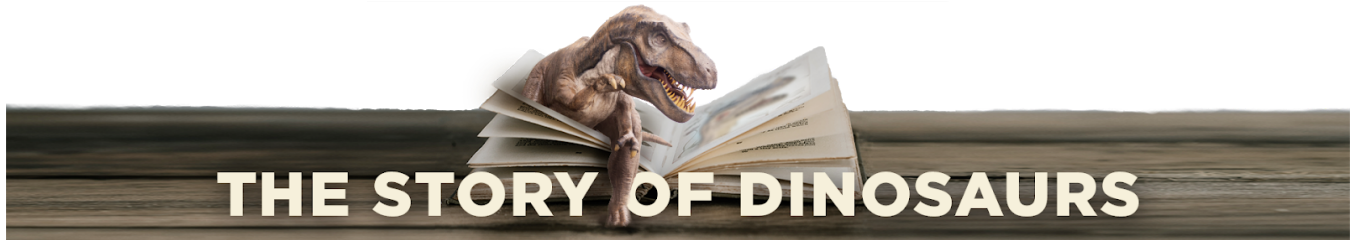


# GEOL:1003 – The Story of Dinosaurs- Online



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## Instructor Info

[Name]

[Rank]

Office:

Email: \_

## Departmental Contact

## Instructor's Office Hours

## Description

This course will explore the validity of arguments and/or conclusions in dinosaur research through evaluating the scientific evidence. In this course, students will read, experiment, and evaluate scientific literature surrounding dinosaurs. Students are expected to work with others to evaluate the plausibility of the dinosaur concepts and theories, and hands-on experiments to add additional information to their interpretations. Students will be expected to participate in evaluation mechanisms to assess critical thinking and science literacy. There are no prerequisites and no laboratory component to this course, although hands-on activities will be a primary focus each week.

## Prerequisites

No Prerequisites

## Goals

This course is intended to engage students in science and the fossil record through the study of dinosaurs. It is intended that students will develop ideas, evaluate existing theories, and explore evidence to support or refute dinosaur interpretations. Through this course it is intended that students develop scientific fluency and critical thinking skills.

## Objectives

- Explore the scientific method and how science is conducted, communicated, and synthesized in dinosaur research.
- Develop theories behind dinosaur morphology and behavior and assess how these theories are supported or refuted by evidence from the fossil record.
- Evaluate the usefulness of modern analogues in dinosaur morphology and behavior.

## Textbook

This textbook for this course is "The Story of Dinosaurs" by Dr. Ashley Burkett. The textbook and associated ancillaries have been intentionally licensed to be free for students to use and other educators to modify for use in their local contexts. Although the resource is licensed CC-BY, it is the author's intent that students not be required to purchase the book either as a standalone resource or as a package with other resources.

## Additional Course Fees

At this time there are no additional fees required for this course.

## Instructor Response Time

With questions, concerns, or comments please contact [instructor name] via email or messaging through Canvas and expect responses within 24-48 hours for all student inquiries. Grades and/or feedback for assignments will be provided within 2 weeks of the assignment due date. Please note that life happens, even for professors. If I fail to respond to your email please feel free to send a follow up or reminder.

## Participation Expectations

It is expected that students will log into the campus LMS and participate at least three days a week as would be expected in a face-to-face version of this class. If a student has not participated in at least one assignment within the 1 ½ week of class then it is at the discretion of the instructor to submit an academic alert or contact the student directly to discuss options for continuing in the course.

## Grading Policy

Your grade in this course will be calculated according to the completion of the following assignments:

Assignment:	Due Date:	Number	Value in Points	Total Points	Percentage of Total Grade
Entry Survey		1	100	100	15.38%
Exit Survey	J	1	100	100	15.38%
Activity	Weekly	7	20	140	21.54%
Weekly Quiz #a	Weekly	7	10	70	10.77%
Weekly Quiz #b	Weekly	7	10	70	10.77%
Written Project 1 of 2		1	85	85	13.08%
Written Project 2 of 2		1	85	85	13.08%
<b>Total</b>				<b>650</b>	<b>100%</b>

Final grades will be assigned according to the following scale:

Grade	Percentage Earned
A	90 – 100%
B	80 – 89.9%
C	70 – 79.9%
D	60 – 69.9%
F	0 – 59.9%

## Assignment Descriptions

Here you will find a description of each assignment expected in this class. The points and assignments are listed in the table above.

- Each week you will complete 2 quizzes. At the beginning of the week you will complete Weekly Quiz #a first (the # will correspond to the # of the week of the class). This quiz is intended to be a survey of what you know and what some of your presumptions are on the topic. This quiz will not be graded. If you complete it, you will receive full credit. At the end of the week you will complete another quiz with the same, or similar, questions. This Weekly Quiz #b, may be graded for correct answers. This quiz will be open for 3 attempts.

- Written Projects 1 of 2 and 2 of 2 will essentially serve as your midterm and final exams. They will consist of mostly essay questions. Before you can take Writing Project 1 of 2 you will be required to complete weekly modules 1-4. Writing Project 2 of 2 will open after you have completed weekly modules 5-7.
- The Entry and Exit Surveys are intended to assess learning outcomes and perception shifts before and after this course. These are worth 100 points. Your answers in these surveys will not count against you. If you complete them you will get the points.
- The majority of your points in this course will be gained through completion of the weekly activity. These activities are intended to be hands-on and interactive with your classmates. Most of these interactions will occur through video and discussion board exchanges.

## Technical Requirements

No additional software memberships are required in this course. All assignments and most activities will be delivered and completed on your own and turned in through our University LMS.

## Netiquette

In this course we will be communicating through our campus LMS, emails, and videos. Please adhere to professional communication with the instructor and your classmates. Some basic netiquette documents have been put together by OSU. Please check out this [text document](#) and/or [visual aid](#) and this list of [tips for online students](#).

## Course Schedule

Week	Date	Online Assignments	Topic	University Information
1		Weekly Quiz 1a, Introduction Video, Candy Cladistics, Weekly Quiz 1b, Entry Quiz	What is a Dinosaur? Exploring Dino Phylogeny	First day of Class
2		Weekly Quiz 2a, Readings, Video argument, Weekly Quiz 2b	Were dinosaurs warm or cold-blooded ?	
3		Weekly Quiz 3a, Weekly Quiz 3b	What were stegosaurus plates used for? Were stegos lonely?	
4		Weekly Quiz 4a, Parenting Readings, Videos, Writing Project 1 of 2, Weekly Quiz 4b	Dino parenting: Deadbeat or dedicated?	
5		Weekly Quiz 5a, T-rex Calculations, <b>Optional</b> Sidewalk Chalk Activity, Weekly quiz 5b	How to outrun a T-rex: Strategies for the time traveling individual	
6		Weekly Quiz 6a, Building a wing, Weekly Quiz 6b	Evolution of flight: Ground to trees or trees to ground?	
7		Weekly Quiz 7a, Dino Doom Quiz, Weekly quiz 7b	Dino Doom: Extinction of the Dinosaurs	

8		<b>Optional</b> Jurassic Park Quiz, Exit Quiz, Writing Project 2 of 2	Hollywood's Dinosaurs- Jurassic Park	
				Grades Due by 1