

**History of Life  
Spring 2015**

**Geol. 4315-010 CRN:27373**

Lecture and Lab: Mon & Wed. 10:30 – 11:50am  
GS Room 320

Instructor: Dr. Kate Giles, GS 201

Email: [kagiles@utep.edu](mailto:kagiles@utep.edu)

Office Hours: M&W: 9-10:30am; Noon-1:30pm  
T&TH: 9-11

TA: Allison Mast, GS 201

Email: Allison Mast [allison.mast20@gmail.com](mailto:allison.mast20@gmail.com)

**Course Overview**

My objective for this course is to provide you with the scientific background, both facts and ideas, in regard to significant “*biologic events*” in earth’s history and the geologic context of those events.

**Required Text**

***Fossils and the Evolution of Life*** by Greg Mack. Available for \$30.00 at GS 201b.

**Assignments & Grading**

Grading will be based on scores from the following:

Lecture Exam 1 March 4	100 points
Lecture Exam 2 May 6	100 points
Homework 1	20 points
Homework 2	20 points
Homework 3	20 points
Homework 4	20 points
Homework 5	20 points
Lab 1 Permian Flora & Fauna	50 points
Lab 2 Cretaceous Flora & Fauna	50 points

**Homeworks and Labs must be turned in one week from date issued.**

**No Homeworks or Labs will be accepted late!**

**You must be present for the two scheduled labs as the samples will only be available during the scheduled lab time.**

## Tentative Schedule

<b>Lecture Topic</b>	<b>Reading</b>
W Jan. 21 Overview of Class; Fossilization Process <i>Homework 1</i>	p. 1 - 15 p. 16
MW Jan. 26 & 28 Precambrian Fossil Record/Ediacaran Fauna	p. 17 - 22
M Feb. 2 Cambrian Explosion of Life W Feb. 4 No lecture <i>Homework 2</i>	p. 23 <i>Handout</i>
MW Feb. 9 & 11 Paleozoic Invertebrates	p. 24 - 30
MW Feb. 16 & 18 Chordates & Hemichordates; Paleozoic Fishes <i>Homework 3</i>	p. 31 - 37 <i>Handout</i>
M Feb. 23 Paleozoic Land Flora W Feb. 25 Paleozoic Land Fauna-Amphibians	p. 38 - 41 p. 42
M March 2 Paleozoic Land Fauna-Reptiles <b>W March 4 Lecture Exam 1</b>	p. 43 - 45
<b>MW March 9 &amp; 11 UTEP Spring Break - No Class</b>	
MW March 16 & 18 Lab 1 Permian of NM & West Texas	p. 46 - 48
MW March 23 & 25 Paleozoic Mass Extinctions	p. 49 - 50
M March 30 Mesozoic Marine Invertebrates & Protists W April 1 Mesozoic & Cenozoic Land plants <i>Homework 4</i>	p. 51 - 56 p. 57 - 59 <i>Handout</i>
M April 6 Mesozoic Amphibians & Reptiles W April 8 Dinosaurs	p. 60-62 p. 63 - 67
M April 13 Dinosaur Behavior W April 15 Fossil Record of Birds <i>Homework 5</i>	p. 63 p. 68 - 70 <i>Handout</i>
MW April 20 & 22 Lab 2 Cretaceous Mancos & McRae Fm.	p. 71 - 72
M April 27 Mesozoic Mass Extinctions W April 29 Mammals	p. 73 - 74 p. 74 - 75
M May 4 Cenozoic Mass Extinctions	p. 76 - 78
<b>W May 6 Lecture Exam 2</b>	