Course Syllabus

GLY3105C Evolution of Earth and Life in North America

Section 6004 and 1E34

Fall 2019 Syllabus

Instructor:

Dr. Anthony Pivarunas
Department of Geological Sciences
Box 112120 Williamson Hall
University of Florida, Gainesville, FL 32611-2120
Office Location: Office hours are held via Canvas Conference.
Office Hours: By request.
Email: Use the Conversations (Inbox) tool within Canvas.

Note: For information on how to use the Canvas Conversations (Inbox), view the following **Conversations (http://guides.instructure.com/s/2204/m/4212/c/23875)** section of the **Student Guide (http://guides.instructure.com/s/2204/m/4212)** .

Questions:

1. Check the **Syllabus** and **Start Here** section to make sure your question is not already answered.
2. If you can't find the answer to your question there, check the **Course Questions Discussion Board** to see if anyone else had the same question.
3. If your question has not already been asked, post the question to the **Course Questions Discussion Board**.

If you are experiencing technical difficulties, follow the instructions for Technical Help in the **Start Here** section.

If you have a personal question, follow the instructions for Personal Questions below.

Please allow 24 hours for a response. Questions posted over the weekend may not receive a response until the beginning of the following week.

Personal Questions:

If you have a question that is of a personal nature or one that concerns grades, contact your instructor through Canvas.

Note: If you are asking a question about information that is already contained in the Start Here section or Syllabus, be sure to state what is unclear about the existing information. Otherwise, you will be referred to the handbook and syllabus.

Important: Dr. Pivarunas would prefer not to answer email sent to his UF email address. All email must be sent in Canvas.

Office Hours

Office hours are by request. Email the instructor in Canvas. I can also contact you by phone or set up a video conference. The instructor will email you to arrange the conference.

Course Objectives

When you complete this course, you will be able to:

- Identify and explain the physical and biological history of planet Earth based on the broad survey we will complete during the semester.
- Explain the role of plate tectonics on the development of the landscape, the evolution of life, and climate dynamics.
- Present in some detail the geologic record of North America while still examining major events of other continents and their relationship (if any) to those of North America.
- Discuss development of the modern geologic landscape of North America.

Course Handbook

Your first source of information for answering your questions is the Course Handbook: **Start Here** module. Always check the handbook before emailing or Skyping with your questions.

Exams & Grading

All three lecture exams are taken online with a proctoring service called ProctorU. See the **Start Here: Course Tools & Technology** for more information. Lab exercises will be submitted in digital form and must be scanned and uploaded to Canvas as a PDF or Word Document. A much more detailed discussion of exams and grading occurs within the Start Here module.

Your grade is based upon:

- Lecture Grades (60%)
  - Three lecture exams (non-cumulative), 20% each
- Lab Grades (40%)
  - Lab Exercises (10 exercises, 40% of course grade)

Extra Credit

- You can earn 3% extra credit (added to your overall grade) if you complete the **Syllabus and Start Here Quiz** and the **Register-ProctorU** assignment prior to the deadlines listed in your Course Calendar.

Grading Scale

Letter Grade

- A= >90%
- B+=87.5-90%
- B=80-87.5%
- C+=77.5-80%
- C=70-77.5%
- D+=67.5-70%
- D=60-67.5%
- E=<60

Textbook and Fossil Kit

The majority of the course lecture material for this class is located in:

- *Evolution of the Earth* by Prothero and Dott.
- McGraw-Hill, ISBN 9780072826845
- use 8th (2009) edition

The lab manual is:

- *Insights: A Laboratory Manual for Historical Geology*, 5th or latest Edition, by Clair Russell Ossian
- Kendall Hunt Publisher
- ISBN 9781465259592

You will also need to purchase a fossil kit for this course. The kit is available at the **University of Florida Bookstore website (https://www.bsd.ufl.edu/textadoption/Manage/ViewAnAdoption.aspx?adoptId=233745&returnHref=%2ftextadoption%2fManage%2fStart.aspx&returnText=Textbook+Adoption+Home)** and the item is called "GLY3105 Fossil Kit." If you enter the course information using the drop down menus the kit will show up under the list of required materials.

You will rent the kit for a rental fee of $60.00 (covers postage to your home and a postage paid return address label). At the end of the semester you will use the postage paid return address label to return the kit. You will be charged an additional $200.00 if you do not return the kit, and your student record will be flagged until payment is made. Kits will not available until after drop-add.

Students with Disabilities

More information is available in the following pages of the Start Here module:

- **Course Tools & Technology**
- **UF Policies & Services**

Academic Honesty & Student Code of Conduct

Academic honesty and integrity are fundamental values of the University community. Students should be sure that they understand the UF Student Honor Code at **http://www.dso.ufl.edu/students.php (http://www.dso.ufl.edu/students.php)** .

The University of Florida Honor Code was voted on and passed by the Student Body in the Fall 1995 semester. The Honor Code reads as follows:

Preamble: In adopting this Honor Code, the students of the University of Florida recognize that academic honesty and integrity are fundamental values of the University community. Students who enroll at the University commit to holding themselves and their peers to the high standard of honor required by the Honor Code. Any individual who becomes aware of a violation of the Honor Code is bound by honor to take corrective action. A student-run Honor Court and faculty support are crucial to the success of the Honor Code. The quality of a University of Florida education is dependent upon the community acceptance and enforcement of the Honor Code.

The Honor Code: “We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity.”

On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied:

"On my honor, I have neither given nor received unauthorized aid in doing this assignment."

If you are caught cheating or helping someone else cheat, you will be subject to sanctions according to the procedures of Student Conduct and Conflict Resolution (SCCR). If you suspect another student of cheating, please let me know, or call the Cheating Hotline (352-392-6999).

For more information about academic honesty, contact Student Judicial Affairs, P202 Peabody Hall, 352-392-1261.

University Counseling Services & Mental Health Services

More information is available in the Course Handbook on the **Course Tools & Technology** page.

Course Summary:

Date	Details	
Tue Aug 20, 2019	Class Begins (https://ufl.instructure.com/calendar?event_id=816249&include_contexts=course_376583)	12am
	Lecture: The Proterozoic (https://ufl.instructure.com/calendar?event_id=816225&include_contexts=course_376583)	12am
Wed Aug 21, 2019	Lecture: Early Origins of Life (https://ufl.instructure.com/calendar?event_id=816234&include_contexts=course_376583)	12am
Thu Aug 22, 2019	Register for ProctorU (https://ufl.instructure.com/calendar?event_id=816267&include_contexts=course_376583)	12am
	Syllabus and Start Here Quiz Opens (https://ufl.instructure.com/calendar?event_id=816257&include_contexts=course_376583)	12am
Fri Aug 23, 2019	Lab 1 open (https://ufl.instructure.com/calendar?event_id=823599&include_contexts=course_376583)	12am
	Lecture: Cambrian Period (https://ufl.instructure.com/calendar?event_id=816217&include_contexts=course_376583)	12am
	Lecture: Dawn of Multicellular Life (https://ufl.instructure.com/calendar?event_id=816233&include_contexts=course_376583)	12am
Mon Aug 26, 2019	Lecture: Origin of the Atmosphere and Hydrosphere (https://ufl.instructure.com/calendar?event_id=816235&include_contexts=course_376583)	12am
	Lecture: The Archean (https://ufl.instructure.com/calendar?event_id=816226&include_contexts=course_376583)	12am
Wed Aug 28, 2019	Lecture: Ordovician Period (https://ufl.instructure.com/calendar?event_id=816210&include_contexts=course_376583)	12am
	Register-ProctorU (https://ufl.instructure.com/courses/376583/assignments/3883447)	due by 11pm
Thu Aug 29, 2019	Open Lab 2 (https://ufl.instructure.com/calendar?event_id=823602&include_contexts=course_376583)	12am
Fri Aug 30, 2019	Lecture: Plants Invade the Land (https://ufl.instructure.com/calendar?event_id=816223&include_contexts=course_376583)	12am
	Lab 1. Measuring Geological Time (https://ufl.instructure.com/courses/376583/assignments/3883438)	due by 11:59pm
Sat Aug 31, 2019	Syllabus and Start Here Quiz (https://ufl.instructure.com/courses/376583/assignments/3883436)	due by 11:59pm

Date	Details	
Mon Sep 2, 2019	Labor Day (https://ufl.instructure.com/calendar?event_id=817192&include_contexts=course_376583)	12am
Tue Sep 3, 2019	Lecture: Animals Invade the Land (https://ufl.instructure.com/calendar?event_id=816248&include_contexts=course_376583)	12am
Thu Sep 5, 2019	Lab 3 Open (https://ufl.instructure.com/calendar?event_id=816261&include_contexts=course_376583)	12am
	Lab 2. Stratigraphy and the Ordering of Geologic Events (https://ufl.instructure.com/courses/376583/assignments/3883439)	due by 11:59pm
Mon Sep 9, 2019	Lecture: The Silurian and Devonian Periods (https://ufl.instructure.com/calendar?event_id=816247&include_contexts=course_376583)	12am
Wed Sep 11, 2019	Lecture: Paleozoic Reefs and Evaporites (https://ufl.instructure.com/calendar?event_id=816246&include_contexts=course_376583)	12am
Thu Sep 12, 2019	Lab 4 Open (https://ufl.instructure.com/calendar?event_id=816260&include_contexts=course_376583)	12am
	Lab 3. Physical Stratigraphy (https://ufl.instructure.com/courses/376583/assignments/3883440)	due by 11:59pm
Fri Sep 13, 2019	Lecture: Permian Period: Coming Together (https://ufl.instructure.com/calendar?event_id=816231&include_contexts=course_376583)	12am
Mon Sep 16, 2019	Lecture: North Atlantic Rifting: Marine and Non-Marine Rift Basins (https://ufl.instructure.com/calendar?event_id=816222&include_contexts=course_376583)	12am
Thu Sep 19, 2019	Lab 5 Open (https://ufl.instructure.com/calendar?event_id=816258&include_contexts=course_376583)	12am
Fri Sep 20, 2019	Lecture: Triassic Period (https://ufl.instructure.com/calendar?event_id=816230&include_contexts=course_376583)	12am
	Exam 1 (https://ufl.instructure.com/courses/376583/assignments/3883433)	due by 11pm
Mon Sep 23, 2019	Lecture: Jurassic Period (https://ufl.instructure.com/calendar?event_id=816229&include_contexts=course_376583)	12am
Wed Sep 25, 2019	Lecture: Cretaceous Period (https://ufl.instructure.com/calendar?event_id=816228&include_contexts=course_376583)	12am

Date	Details	
Thu Sep 26, 2019	Lab 6 Open (https://ufl.instructure.com/calendar?event_id=816262&include_contexts=course_376583)	12am
Fri Sep 27, 2019	Lecture: Cretaceous Mass Extinction (https://ufl.instructure.com/calendar?event_id=816245&include_contexts=course_376583)	12am
Mon Sep 30, 2019	Lecture: Overview of Cenozoic Tectonics (https://ufl.instructure.com/calendar?event_id=816221&include_contexts=course_376583)	12am
	Lecture: The Cascade Mountains (https://ufl.instructure.com/calendar?event_id=816238&include_contexts=course_376583)	12am
Wed Oct 2, 2019	Lecture: Gulf of Mexico and Atlantic Coastal Plains (https://ufl.instructure.com/calendar?event_id=816240&include_contexts=course_376583)	12am
	Lecture: The Columbia River Plateau (https://ufl.instructure.com/calendar?event_id=816244&include_contexts=course_376583)	12am
Fri Oct 4, 2019	Homecoming (https://ufl.instructure.com/calendar?event_id=816252&include_contexts=course_376583)	12am
Mon Oct 7, 2019	Lecture: Appalachians and Stable Interior (https://ufl.instructure.com/calendar?event_id=816239&include_contexts=course_376583)	12am
Wed Oct 9, 2019	Lecture: The Snake River Plain (https://ufl.instructure.com/calendar?event_id=816220&include_contexts=course_376583)	12am
Fri Oct 11, 2019	Lecture: Sierra Nevada Mts. (https://ufl.instructure.com/calendar?event_id=816211&include_contexts=course_376583)	12am
Mon Oct 14, 2019	Lecture: The Basin and Range (https://ufl.instructure.com/calendar?event_id=816215&include_contexts=course_376583)	12am
Wed Oct 16, 2019	Lab 7 Open (https://ufl.instructure.com/calendar?event_id=816263&include_contexts=course_376583)	12am
Fri Oct 18, 2019	Lecture: The Colorado Plateau (https://ufl.instructure.com/calendar?event_id=816243&include_contexts=course_376583)	12am
	Lab 4 Introduction to Paleontology (https://ufl.instructure.com/courses/376583/assignments/3883441)	due by 11:59pm
	Lab 5. Paleontology and Identification of the Major Phyla-Part One (https://ufl.instructure.com/courses/376583/assignments/3883442)	due by 11:59pm

Date	Details	
	Lab 6. Paleontology and Identification of the Major Phyla- Part Two (https://ufl.instructure.com/courses/376583/assignments/3883443)	due by 11:59pm
Mon Oct 21, 2019	Exam 2 (https://ufl.instructure.com/calendar?event_id=816232&include_contexts=course_376583)	9am to 11pm
	ProctorU Window to Take Exam 2 (https://ufl.instructure.com/calendar?event_id=816224&include_contexts=course_376583)	9am to 12pm
	Exam 2 (https://ufl.instructure.com/courses/376583/assignments/3897228)	due by 11pm
Tue Oct 22, 2019	Lab 8 Open (https://ufl.instructure.com/calendar?event_id=816264&include_contexts=course_376583)	12am
Wed Oct 23, 2019	Lecture: The Rocky Mountains and High Plains (https://ufl.instructure.com/calendar?event_id=816237&include_contexts=course_376583)	12am
Fri Oct 25, 2019	Lab 7. Applied Paleontology (https://ufl.instructure.com/courses/376583/assignments/3883444)	due by 11:59pm
Mon Oct 28, 2019	Lecture: The California Borderland (https://ufl.instructure.com/calendar?event_id=816236&include_contexts=course_376583)	12am
Wed Oct 30, 2019	Lecture: The Rio Grande Rift (https://ufl.instructure.com/calendar?event_id=816213&include_contexts=course_376583)	12am
	Lab 8. Geologic Structures (https://ufl.instructure.com/courses/376583/assignments/3883445)	due by 11:59pm
Thu Oct 31, 2019	Lab 9 Open (https://ufl.instructure.com/calendar?event_id=816265&include_contexts=course_376583)	12am
Fri Nov 1, 2019	Lecture: Development of the Cryosphere: Southern Hemisphere (https://ufl.instructure.com/calendar?event_id=816212&include_contexts=course_376583)	12am
Mon Nov 4, 2019	Lecture: Development of the Cryosphere: Northern Hemisphere (https://ufl.instructure.com/calendar?event_id=816219&include_contexts=course_376583)	12am
Wed Nov 6, 2019	Lecture: Pictorial: Glacial Landscapes (https://ufl.instructure.com/calendar?event_id=816227&include_contexts=course_376583)	12am
Thu Nov 7, 2019	Lab 9. Geologic Maps- Part One (https://ufl.instructure.com/courses/376583/assignments/3883446)	due by 11:59pm

Date	Details	
Fri Nov 8, 2019	Lab 10 Open (https://ufl.instructure.com/calendar?event_id=816266&include_contexts=course_376583)	12am
	Lecture: Deglacial Drainage Changes (https://ufl.instructure.com/calendar?event_id=816209&include_contexts=course_376583)	12am
Mon Nov 11, 2019	Lecture: Glacial Erosion and Deposition (https://ufl.instructure.com/calendar?event_id=816218&include_contexts=course_376583)	12am
	Veterans Day (https://ufl.instructure.com/calendar?event_id=816253&include_contexts=course_376583)	12am
Mon Nov 18, 2019	Lecture: Cryosphere Induced Sea Level Change (https://ufl.instructure.com/calendar?event_id=816216&include_contexts=course_376583)	12am
Thu Nov 21, 2019	Lab 10. Geologic Maps- Part Two, (https://ufl.instructure.com/courses/376583/assignments/3883437)	due by 11:59pm
Wed Nov 27, 2019	Thanksgiving Break (https://ufl.instructure.com/calendar?event_id=816254&include_contexts=course_376583)	12am
Thu Nov 28, 2019	Thanksgiving Break (https://ufl.instructure.com/calendar?event_id=816255&include_contexts=course_376583)	12am
Fri Nov 29, 2019	Thanksgiving Break (https://ufl.instructure.com/calendar?event_id=816256&include_contexts=course_376583)	12am
Wed Dec 4, 2019	Last Day of Class (https://ufl.instructure.com/calendar?event_id=816259&include_contexts=course_376583)	12am
	Exam 3 (https://ufl.instructure.com/courses/376583/assignments/3883435)	due by 11pm
	Homecoming (https://ufl.instructure.com/calendar?event_id=816214&include_contexts=course_376583)	
	Topic 1 Review Questions (https://ufl.instructure.com/courses/376583/assignments/3883451)	
	Topic 10 Review Questions (https://ufl.instructure.com/courses/376583/assignments/3883448)	
	Topic 11 Review Questions (https://ufl.instructure.com/courses/376583/assignments/3883449)	
	Topic 12 Review Questions (https://ufl.instructure.com/courses/376583/assignments/3883450)	

Date	Details
	Topic 2 Review Questions (https://ufl.instructure.com/courses/376583/assignments/3883452)
	Topic 3 Review Questions (https://ufl.instructure.com/courses/376583/assignments/3883453)
	Topic 4 Review Questions (https://ufl.instructure.com/courses/376583/assignments/3883454)
	Topic 5 Review Questions (https://ufl.instructure.com/courses/376583/assignments/3883455)
	Topic 6 Review Questions (https://ufl.instructure.com/courses/376583/assignments/3883456)
	Topic 7 Review Questions (https://ufl.instructure.com/courses/376583/assignments/3883457)
	Topic 8 Review Questions (https://ufl.instructure.com/courses/376583/assignments/3883458)
	Topic 9 Review Questions (https://ufl.instructure.com/courses/376583/assignments/3883459)