

Geology of Florida
GLY4155C Sect 042H
Spring 2024
1:55-3:50 (Monday) and 1:55-2:45 (Friday)
Williamson Hall 202

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Office Hours: Thursday 10:00-12:00 PM

Required Course materials: Textbook: The Geologic History of Florida: Major Events that Shaped the Sunshine State by Albert C. Hine. University Press of Florida Publishers. ISBN 978-0-8130-4421-7.

Additional outside readings will be made available and may be assigned

Materials and Supplies Fees: There are no material and supply fees for this course.

Additional Resources: Access to a basic introductory Physical Geology Text and Historical Geology Text is useful, but not required.

Course Description:

Principles of physical and historical geology are applied to the study of the geology and mineral resources of Florida. Students will be assessed based on several group Powerpoint presentations throughout the semester, which will be used to evaluate their understanding of the processes that formed Florida, were responsible for its current geology/geomorphology, and created its rich natural resource base. Additionally, students will write a paper (~10 pages) on some aspect of Florida geologic history and give a ~15-minute Powerpoint presentation on the same topic during the last week of classes. There will be several local field trips associated with the class, designed to illustrate the concepts covered during lectures.

General education: GLY4155C, Geology of Florida, is a GenEd physical science (P) course. Physical science courses provide instruction on basic concepts, theories and terms of the scientific method, in the context of the physical sciences. Courses focus on major scientific developments and their impacts on society, science and the environment, and the relevant processes that govern physical systems. Students will learn how to formulate empirically testable hypotheses derived from the study of physical processes, apply reasoning skills through scientific criticism and argument, and use techniques of discovery and critical thinking to evaluate outcomes of experiments (i.e., test hypotheses).

Course Goals and/or Objectives: When students complete this course, they will be able to:

- Demonstrate understanding and be able to apply important concepts and skills established as goals in previous geological sciences coursework.
- Show an understanding of Florida's geologic history, the events and processes that shaped it in the past and continue to do so in the present, and be able to place that history into context of global geologic history and events.
- Apply knowledge and skills attained from geological sciences BA degree curriculum coursework to analyze and communicate to others the geologic history of Florida.
- Put into practice fundamental data analysis and communication skills needed by a successful geoscience professional, including the ability to work in a collaborative context.
- Demonstrate awareness of different Florida-related geoscience research topics.

Attendance Policy: Students are expected to attend class and participate in class discussions. Attendance and participation comprise 25% of the overall course grade.

Requirements for class attendance, make-up assignments, and other work in this course are consistent with university policies that can be found at:

<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>

Requirements and grades: Students are expected to:

- Attend and actively participate in class activities (25%)
- Complete in-class, collaborative Powerpoint presentations (25%)
- Give a solo, final in-class presentation (25%)
- *Complete the ~10-page course term paper (25%)

***Course Paper:** Each student will select a theme that they will study and report on in the form of a term research paper that details some aspect of Florida's geologic history. Students will also share their findings with the rest of the class through their solo Powerpoint presentation.

COURSE AND UNIVERSITY POLICIES

Academic accommodations for students with disabilities

Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the disability Resource Center. Students can copy and paste the following link to obtain information about accommodations (<https://disability.ufl.edu/get-started/>). It is important for students to share their accommodation letter with their instructor and discuss their access needs, as early as possible in the semester.

Course evaluation process

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at <https://gatorevals.aa.ufl.edu/students/>. Students will be notified when the evaluation period opens, and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via <https://ufl.bluera.com/ufl/>. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-results/>.

Academic Honesty Policy

UF students are bound by The Honor Pledge which states, “We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. 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.” The Conduct Code specifies a number of behaviors that are in violation of this code and the possible sanctions. Go here to read the Conduct Code (<https://sccr.dso.ufl.edu/process/student-conduct-code/>). If you have any questions or concerns, please consult with the instructor or TAs in this class.

In-Class Recording

Students are allowed to record video or audio of class lectures. However, the purposes for which these recordings may be used are strictly controlled. The only allowable purposes are (1) for personal educational use, (2) in connection with a complaint to the university, or (3) as evidence in, or in preparation for, a criminal or civil proceeding. All other purposes are prohibited. Specifically, students may not publish recorded lectures without the written consent of the instructor.

A “class lecture” is an educational presentation intended to inform or teach enrolled students about a particular subject, including any instructor-led discussions that form part of the presentation, and delivered by any instructor hired or appointed by the University, or by a guest instructor, as part of a University of Florida course. A class lecture does not include lab sessions, student presentations, clinical presentations such as patient history, academic exercises involving solely student participation, assessments (quizzes, tests, exams), field trips, private conversations between students in the class or between a student and the faculty or lecturer during a class session.

Publication without permission of the instructor is prohibited. To “publish” means to share, transmit, circulate, distribute, or provide access to a recording, regardless of

format or medium, to another person (or persons), including but not limited to another student within the same class section. Additionally, a recording, or transcript of a recording, is considered published if it is posted on or uploaded to, in whole or in part, any media platform, including but not limited to social media, book, magazine, newspaper, leaflet, or third party note/tutoring services. A student who publishes a recording without written consent may be subject to a civil cause of action instituted by a person injured by the publication and/or discipline under UF Regulation 4.040 Student Honor Code and Student Conduct Code.

Campus Resources

Health and Wellness

U Matter, We Care: If you or someone you know is in distress, please contact umatter@ufl.edu, 352-392-1575, or visit the We Care website (<https://umatter.ufl.edu>) to refer or report a concern and a team member will reach out to the student in distress.

Counseling and Wellness Center: Visit the Counseling and Wellness Center website (<https://counseling.ufl.edu>) or call 352-392-1575 for information on crisis services as well as non-crisis services.

Student Health Care Center: Call 352-392-1161 for 24/7 information to help you find the care you need, or visit the Student Health Care Center website (<https://shcc.ufl.edu>).

University Police Department: Visit UF Police Department website (<https://police.ufl.edu>) or call 352-392-1111 (or 9-1-1 for emergencies).

UF Health Shands Emergency Room / Trauma Center: For immediate medical care call 352-733-0111 or go to the emergency room at 1515 SW Archer Road, Gainesville, FL 32608; Visit the UF Health Emergency Room and Trauma Center website (<https://ufhealth.org/emergency-room-trauma-center>).

Academic Resources

E-learning technical support: Contact the UF Computing Help Desk at <https://helpdesk.ufl.edu>, 352-392-4357 or via e-mail at helpdesk@ufl.edu.

Career Connections Center: Reitz Union Suite 1300, 352-392-1601. Career assistance and counseling services, <https://career.ufl.edu>.

Library Support: Various ways to receive assistance with respect to using the libraries or finding resources (<https://uflib.ufl.edu/find/ask/>).

Teaching Center: Broward Hall, 352-392-2010 or to make an appointment 352- 392-6420. General study skills and tutoring (<https://teachingcenter.ufl.edu>).

Writing Studio: 2215 Turlington Hall, 352-846-1138. Help brainstorming, formatting, and writing papers (<https://writing.ufl.edu/writing-studio/>).

Student Complaints On-Campus: Visit the Student Honor Code and Student Conduct Code webpage for more information (<https://sccr.dso.ufl.edu/policies/student-honor-%20code-student-conduct-code/>).

On-Line Students Complaints: View the Distance Learning Student Complaint Process (<https://distance.ufl.edu/getting-help/student-complaint-process/>).