

GLY4552C-Sedimentary Geology Course Syllabus and Rules of the Road

Fall 2022

Lecture MWF Period 5 (11:45-12:35); Williamson 202

Lab Wed (6-7) & Fri (6-7) Williamson 215

Final Exam: 12/13/2022 @ 3:00 PM - 5:00 PM

Instructor: John Jaeger

Office: Williamson 225

Telephone: 846-1381

Email: jmjaeger@ufl.edu

Jaeger Office Hours: Monday 2-3:30 pm, Thursday 2-3:30 pm, or by Appointment.

Teaching Assistant:

Nicole Greco

Email nicolegreco@ufl.edu

Office: Williamson Hall 263

TAs Office Hours: See Canvas

Teaching format and Attendance Policy

The course is based upon mandatory in-person lectures, lab assignments, field trips and class discussion. Students are required to complete the daily tasks assigned in lecture and labs, copies of which will be distributed through Canvas Modules. Attendance will be recorded as a Participation Score.

Notify the instructor ASAP if you have a known schedule conflict. If you cannot attend a lab or field trip due to illness, contact the instructor as soon as you are able to so to make arrangements for make-up work.

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

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

Email communication

All email correspondence to course instructor or TAs **must be from your CANVAS account**. Emails not meeting these requirements may not be recognized quickly, and thus may not be answered. Please follow [this guide](#) if you do not know how to craft an email to your professor.

Course Website

Course materials and related information will be posted on the course E-Learning (**Canvas**) website at <http://lss.at.ufl.edu>. You are responsible for all announcements made in class and/or posted on the course website for this course.

Note: This syllabus is meant to serve as an outline and guide for our course. Please note that I may modify the schedule, with reasonable notice to you, to accommodate the needs of our class. Any changes will be announced in class and posted on Canvas under Announcements.

Required Text:

Principles of Sedimentology and Stratigraphy by Sam Boggs, Prentice Hall (5th addition preferred, 4th is ok)

Required Field Equipment:

- Hand lens
- Notebook (field+lecture)
- Water bottle
- Pencils, pens

Materials and Supplies Fees: \$11.48

Required Field TRIPS:

There will be two mandatory, all-day weekend field trips. Dates are:

- Talbot Island field trip (Saturday Nov. 5)
- Haile Quarry field trip (Saturday Dec. 3)

Assessment goals:

The degree to which students have successfully attained these benchmarks is evaluated:

- Directly through a series of on-line quizzes that are used to evaluate the assimilation of key terminology and concepts
- Directly through three lab quizzes that are used to evaluate the assimilation of key terminology and concepts
- Directly through a series of field and lab exercises requiring the description and measurement of key characteristics of sediments
- Directly through the final, for which students must utilize their experiences in the lab and field to derive and interpret sedimentological data.

For students with disabilities:

Students may find themselves limited in their ability to accomplish course requirements for a variety of reasons, including but not limited to: autism, visible physical disability, non-visible physical disability or chronic illness, learning disability, mental illness, and bereavement processes. I aim to provide an inclusive and safe environment for all students and will work with the Dean of Students Office of Disability Resources, in Peabody 202 (phone: 352-392-1261). Please see the University of Florida Disability Resources website for more information at: <http://www.dso.ufl.edu/drp/services/>.

Students may contact and register with Office of Disability Resources at any point in the semester. Some students seeking disability accommodations may choose to do so through non-medical routes. I recognize potential barriers to seeking medical disability accommodations and will work with students seeking non-medical disability accommodations to specify a plan of action, if needed. Please notify me as soon as possible of any accommodation needs, as it is the policy of the University of Florida that the student, not the instructor, is responsible for arranging accommodations when needed.

Diversity and Inclusion

In an ideal world, science would be objective. Nevertheless, much of science is subjective and is historically built on a small subset of voices. In this class, we will make an effort to read material from a diverse group of scientists. Integrating a diverse set of experiences is important for a more comprehensive understanding of science. Please contact me (in person or electronically) or submit anonymous feedback if you have any suggestions to improve the quality of the course materials.

The University of Florida is dedicated to creating a positive, inclusive work environment that embraces diversity in all forms and rejects any form of hostile workplace, discrimination, or bullying. We have a clear statement of behavioral expectations that can be found here: <http://aa.ufl.edu/media/aaufledu/policies/Classroom-Behavior.pdf>. Please note that as a faculty member I am a mandatory reporter for Title IX violations. We have a Gender Inclusive Restroom next to Williamson 141.

It is my goal to create a learning environment for my students that supports a diversity of thoughts, perspectives, and experiences, and honors your identities. To help accomplish this:

- Please let the class know your chosen name and pronouns.
- If you feel like your performance in the class is being impacted by your experiences outside of class, please don't hesitate to come and talk with me.
- Your classmates and instructors (like many people) are still in the process of learning about diverse perspectives and identities. If something was said in class (by anyone) that made you feel uncomfortable, please talk to me about it.
- As a participant in course discussions, you should also strive to honor the diversity of your classmates (e.g., make sure all voices are being heard).
- In addition, if any of our class meetings conflict with your religious events, please let me know so that we can make arrangements for you.

Content

This course aims to develop the student's expertise in sedimentology by consideration of both theoretical and practical approaches. A broad range of techniques for the analysis of sediments will be introduced through a sequence of seven modules that contain lectures, in-class and laboratory exercises and field trips. Emphasis is placed on the study of sedimentology and its application to various topics in geology:

- Observational Sedimentology
- Weathering and Global Climate Change
- Sediment Transport & Planetary Sedimentology
- Sedimentary Petrography & Tectonic Processes
- Critical Thinking
- Sedimentary Environments and Facies Analysis
- Lithostratigraphy & Florida Subsurface Geology

Each topic will be introduced and developed through a series of modules delivered through E-Learning.

Assessment

Course assessment is based upon:

Lab Assignments = 35%

Research Paper=10%

On-line quizzes=25%

Lab Quizzes (3, each 5%)=15%

Final Exam = 10 %

Daily Class Participation/Lecture Journal=5%

Grading Scale

Point Range (%)	Letter Grade	GPA equivalent
≥ 93.00	A	4.0
90.0 – 92.99	A-	3.67
87.0 – 89.99	B+	3.33
83.0 – 86.99	B	3.0
80.0 – 82.99	B-	2.67
77.0 – 79.99	C+	2.33
73.0 – 76.99	C	2.0
70.0 – 72.99	C-	1.67
67.0 – 69.99	D+	1.33
63.0 – 66.99	D	1.0
60.0 – 62.99	D-	0.67
< 60.0	E	0

Note that a “C-“ will not be a qualifying grade for critical tracking courses. To graduate, students must have an overall GPA and an upper-division GPA of 2.0 or better (C or better).

Note: a C- average is equivalent to a GPA of 1.67, and therefore, it does not satisfy this graduation requirement. For more information on grades and grading policies, please visit: <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx#grades>

On-line Quizzes: You will have on-line quizzes to complete through Canvas at the start and end of each module. You will take a pre-module assessment quiz with the option to take a second end-of-module quiz for a better grade.

Lab Quizzes: You will have three 45-min long lab quizzes to complete during the semester. Quizzes will be on paper and start at the beginning of the two-hour lab section. Lab quizzes will cover lab material and assignments, building upon material that is covered throughout the semester.

Weekly Lab/Lecture Assignments –Assignments will accompany the particular module being completed that week (or weeks). There will not always be an absolute right or wrong answer for these assignments (unlike many of other lab classes you may have had). Therefore, your grade will be determined by how clearly you present your results. Late assignment policy is up to Nicole and Paloma.

Lecture Journal/Notebook: For this assignment you will keep a lecture notebook/journal in which you will keep responses and illustrations based on the prompts given in lecture each day. This is a very useful skill that will help you to develop your communication skills in taking abstract ideas and converting them into a format that you can share with others. Occasionally, the notebooks will be collected and reviewed for completeness. Students are welcome to keep these notebooks after the course is completed.

Final Exam – The final will be the only lengthy in-class exam that you will have to complete. It will be comprehensive and based on lecture notes, text, and mostly labs.

Make-Up Policy: Students that provide me with prior notification of an absence can make up any missed quizzes. The TAs will determine their policy for missed lab assignments.

Conduct in Class

- Please treat your instructor and fellow classmates with consideration and respect. Please be courteous and do not talk during lecture. This can be distracting to other students and the instructor. If you are late for class, please quietly sit in the back.
- 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.

Academic Honesty Guidelines

All students registered at the University of Florida have agreed to comply with the following statement: **“I understand that the University of Florida expects its students to be honest in all their academic work. I agree to adhere to this commitment to academic honesty and understand that my failure to comply with this commitment may result in disciplinary action up to and including expulsion from the University.”**

In addition, on all work submitted for credit 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 witness any instances of academic dishonesty in this class, please notify the instructor or contact the Student Honor Court (392-1631) or Cheating Hotline (392-6999). For additional information on Academic Honesty, please refer to the University of Florida Academic Honesty Guidelines at: <http://www.dso.ufl.edu/judicial/procedures/academicguide.html>.

I have elected to use a plagiarism detection service in this course, in which case you will be required to submit your paper to such a service as part of your assignment.

UF Counseling Services

Resources are available on-campus for students having personal problems or lacking clear career and academic goals. The resources include:

- U Matter, We Care: If you or someone you know is in distress, please contact umatter@ufl.edu, 352-392-1575, or visit U Matter, We Care website 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 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.

- University Police Department: Visit UF Police Department website 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.

Many students experience test anxiety and other stress related problems. “A Self Help Guide for Students” is available through the Counseling Center (301 Peabody Hall, 392-1575) and at their web site: <http://www.counsel.ufl.edu/>.

Course Evaluations Fall 2022

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 Resources

- E-learning technical support: Contact the UF Computing Help Desk at 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.
- Library Support: Various ways to receive assistance with respect to using the libraries or finding resources.
- Teaching Center: Broward Hall, 352-392-2010 or to make an appointment 352392-6420. General study skills and tutoring.
- Writing Studio: 2215 Turlington Hall, 352-846-1138. Help brainstorming, formatting, and writing papers.
- Student Complaints On-Campus: Visit the Student Honor Code and Student Conduct Code webpage for more information.
- On-Line Students Complaints: View the Distance Learning Student Complaint Process.