



# ECONOMIC GEOLOGY


UNIVERSITY OF FLORIDA, GLY4930/6932 FALL 2019


## CONTACT

**Dr. Anita Marshall**

 anita.marshall@ufl.edu

 Williamson Hall 225

 352-273-3365

 Office: T/R, 10am – 12pm

## GUEST INSTRUCTORS

**Andrew Romeo**, PG  
Chemours Company

**Steven Krupa**, South FL  
Water Management


**Matt Lewis**, Dir. Aggregate  
Resources, CEMEX


**Douglas Valleau**, Strategia  
Innovation & Tech


**Kendall Fountain**, Minerals  
Manager, Weyerhaeuser


## COURSE INFO:

 Fridays, 12:50-4:55 pm

 Williamson Hall 218

 Text: none required

 Personal computer  
use in class.

 Safety Gear Required  
for field trips

Welcome to Economic Geology. This course will give you an overview of careers in the geosciences and the skills regularly used by professional geologists. Please read through the syllabus for important information to help you succeed in this course.

## COURSE WEBSITE AND CONTACT

**Course Webpage:** Access the course webpage by logging in at:  
<https://elearning.ufl.edu/>.

**Asking Course-related questions:** Please post general questions about the course on the Questions Discussion board so the question can be answered for everyone. Personal questions (grades, missing assignments, accommodations, etc.) should be sent to Dr. Marshall's email, [anita.marshall@ufl.edu](mailto:anita.marshall@ufl.edu) or through the Canvas messaging system. Questions regarding specific topics/modules can be sent to the relevant guest instructor. Please be respectful when contacting guest instructors and take the effort to compose professional emails\*, cc'd to Dr. Marshall.

*\*see this helpful guide if you aren't sure what that means:*

<https://students.tufts.edu/career-center/i-need/network/professional-email-etiquette>

## COURSE MATERIALS:

**Textbook:** There is no required text for this class. Our guest lecturers will provide any required reading by posting on the class website or handing it out in class.

**Safety Gear:** Safety gear is required for all 4 field trips. Your guest instructors have generously arranged to acquire steel toe boots, glasses and hard hats at no cost to students.

## TECHNOLOGY REQUIREMENTS

**Computer:** Access to a computer for use in and out of class. You should bring a computer to non-field trip class days. Please contact Dr. Marshall asap if you need assistance with this requirement.

## COURSE DETAILS

**Prerequisite Knowledge:** This course is targeted at upper-level geology majors. Prerequisites include three courses in geoscience or related fields, or instructor permission.

**Course Summary & Goals:** This is a 3-credit-hour course. The purpose of this course is to explore a variety of potential geoscience careers in industry and build geoscience career related skills with industry professionals serving as guest instructors. Topics will include resource development, extraction, environmental remediation and business practices in Florida. Field trips and guided activities in class will provide ample opportunity to learn from real-world examples. Course goals include:

- Illustrate the variety of resources present in the state of Florida – locations, uses, value, and unique considerations in terms of economics, resource management and remediation.
- Understand the geologic settings in which resources are found.
- Demonstrate how and why data is collected and analyzed in commercial geology applications.
- Highlight potential career tracks available in economic/exploration geology.

**Course Schedule:** Each topical module is two-weeks in length, with the exception of Land Resources, which is only one week. Module activities will be comprised of some combination of reading assignments, exercises, quizzes and discussions, as assigned by the guest instructor. Students should reference the course calendar in Canvas for due dates of individual course assignments, and check the class webpage and emails for any changes in the schedule.

**Preliminary Course schedule, subject to change:**

Dates	Module	Guest Instructor	Topic
8/23	1	Romeo	Intro to economic geology
8/30	2	Krupa	Environmental monitoring & remediation
9/6		Krupa	FIELD TRIP: St. Cloud drilling site.
9/13	3	Lewis	Aggregates
9/20		Mallard	FIELD TRIP: Reddick, FL
9/27	4	Romeo	Mineral Sands
10/4		HOMECOMING HOLIDAY – NO CLASS MEETING	
10/11		Romeo	FIELD TRIP: Chemours/Maxville
10/18	5	TBD	Phosphates
10/25		TBD	FIELD TRIP: White Springs
11/1	6	Valleau	Energy/oil
11/8		Valleau	Energy/oil
11/15	7	Fountain	Land Resources
11/22	7	Marshall	Wrap up, review, choose projects
11/29		THANKSGIVING HOLIDAY – NO CLASS MEETING	
12/6		READING DAY – NO CLASS MEETING	
12/13			Final projects due

## COURSE COMPONENTS

**Quizzes:** There will be 7 quizzes, one for each module. Each quiz is worth 25 points each. Quizzes will be posted after the relevant class meeting (when we cover the material on which you will be quizzed), and need to be completed before the following week's class meeting. Check the Canvas page for specific due dates.

**Activities:** Guest instructors may choose a combination of in class or out of class activities or discussions to compliment what we cover during class time. Some instructors may count your attendance & notes as your assignment. Some will have for-credit activities. Each module has 50 points for instructors to assign in whatever way they feel works best for their module.

**Final Exam/Project:** The final will be a project that will require you to work with an instructor to select an appropriate project that requires you to synthesize information from the semester, do some independent research and perhaps collect/process data. We will work on selecting and completing projects in the later part of the semester. This project is due the last day of the semester and worth 400 points.

## GRADING

See <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx> for general UF grading policies. Grades will be based on the completion of course activities which will account for the following percentage of your total grade:

Quizzes	20%
Assignments	40%
Final Project	40%
Total possible:	100%

**Late work:** Late work is accepted up to one week after the due date. You will lose points relevant to how late the work is completed. This policy does not apply to the final project, who's due date is firm (because it's due the last day of the semester).

## ACCESSIBILITY, INCLUSION & RESPECT

**Official UF Statement on Accommodating Students with Disabilities:** Students requesting accommodation Students with disabilities requesting accommodations should first register with the Disability Resource Center by calling 352-392-8565 or by computer at: [www.dso.ufl.edu/drc/](http://www.dso.ufl.edu/drc/) and provide appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester, as *accommodations are not retroactive*.

**My Statement on Accessibility:** We all learn differently. You don't have to have a formally recognized disability to find yourself having difficulty with some aspect of the college learning environment. For example, colorblindness is not typically recognized in formal accommodations, but very much impacts a student's ability to process visual information. Please let me know if something in the course material presents a barrier to your full participation in the class so we can work together to find a reasonable solution – *even if you don't have a formal accommodation letter*.

**Religious Observances:** Students who anticipate the necessity of missing homework deadlines and discussions due to religious observances *must provide notice of the date(s) to the instructor*, in writing at least two weeks in advance of the missed class days so accommodations to be made for missed work. Do not wait until after you have missed assignments to ask for an exception, as these requests may not be honored!

**Respect & Inclusion:** In this classroom, everyone should feel welcome to share their thoughts in a respectful way. Treat your classmates the way you would like to be treated. You deserve to be called by the name you prefer and have me pronounce it correctly. Please don't let me keep saying your name (or pronouns) incorrectly! If something in the course material, instruction or class interactions make you feel excluded or uncomfortable, please let me know so I can address it. Please see the Netiquette section under "UF Policies" for more details on how to interact respectfully online.

## STUDENT FEEDBACK AND COURSE EVALUATION

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/>.

## UF POLICIES

**University Policy on Academic Misconduct:** 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>.

**Netiquette – Communication Courtesy:** All members of the class are expected to follow rules of common courtesy in all email messages, threaded discussions and chats. More information at: <http://teach.ufl.edu/wp-content/uploads/2012/08/NetiquetteGuideforOnlineCourses.pdf>

**UF Online Handbook:** Available at: <http://handbook.ufonline.ufl.edu/>

## NEED HELP?

**Technical Support:** For issues with technical difficulties with Canvas, please contact the UF Help Desk: <http://helpdesk.ufl.edu>, or (352) 392-4357. If you miss a deadline due to technical issues, requests for extensions or make-up activities MUST be accompanied by the ticket number received from The Help Desk when the problem was reported to them.

**Help from me:** While I have a short window of time listed for office hours, I will be in my office most weekdays and you can always set up an appointment to make sure I am in. Office hours are for your benefit - ask questions, get assignment help, discuss geoscience degrees and career options, etc. If you are on campus, stop by and say hello! If you are off campus, feel free to send me an email, or we can set up a video chat. I also have a small no-questions-asked food & supply pantry for students just inside my door.

**Other Resources:** For support regarding Counseling and Wellness, disability, documenting student concerns and complaints, and a link to the Library Help Desk, please see: <http://www.distance.ufl.edu/getting-help>.