

Course Syllabus

GLY4790 Hybrid Summer Fieldcamp: May 24th-July xx, 2021

Instructors: Dr. Joe Meert (352) 870-4642 jmeert@ufl.edu

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Communications - Information for the entire group will be disseminated via Canvas announcements, and most course materials will be uploaded to Canvas (you will be notified of any exceptions)

Course overview and philosophies - Although we can't re-create the experience of field camp, we have created projects and activities that align with skills emphasized during field mapping and field exercises in general. These include building observational skills, using field observations to make interpretations, enhance visualization of 3D spatial relations, and overall cultivate critical thinking. We anticipate a field component to this course in Summer B.

Learning objectives - Each part of the course emphasizes different skills and types of geology. Specific learning objective will be provided at the start of each of the five parts of the course.

Partner system - After the first three days of the course, you will work in pairs with one fellow students. Partners will be switched after specific sets of activities so that you will be paired with most of your fellow students at some point in the course. Partners for some projects can be found in the second worksheet within the schedule Excel spreadsheet provided in the link below (not complete yet).

Expectations for students

We know that this summer is going to be a challenge teaching and learning field camp. We will repeat this on Monday, but want to emphasize a few points to make the experience more rewarding for all.

- (1) Attend zoom lectures/meetings LIVE as often as humanly possible. Field camp is a course that requires constant communication and idea exchange. It is less valuable if you are passively watching this on a recorded video. We know this may not always be possible, but try to minimize the amount of recorded material you access (unless it's for review).
- (2) All lectures/discussions will be recorded and made accessible to you. see #1 for the caution.
- (3) During projects, we will have progress markers (specified times) when we will need to meet with each individual group to assess progress and problems. These have to be LIVE, but we can work with you and your partner to find a convenient time. THESE WILL NOT BE RECORDED! We do ask that you make every effort to answer our prompts/questions and come to the meetings ready to discuss and provide us with your working documents/figures/notes.
- (4) Deadlines will be clearly stated before each assignment. You will have to make sure to meet those deadlines.
- (5) TA's and instructors will be available via email, zoom or phone call as needed. We will detail our available hours ahead of each project/section of the course. It's pretty simple to arrange a meeting with you.
- (6) Let us know ahead of time about any issues you may have (internet connectivity, work, health or other issues).
- (7) Projects are expected to look professional. All the little things count. Remember my motto for field methods. Pretend that you are being paid \$5000 for each project and that you will only continue to be paid if your project satisfies the contractor.

Expectations for instructors

The instructors will be available to you during the projects at regular intervals. Typically, these will be zoom/facebook live or other convenient video services at times/days to be determined ahead of the project. There will be times we meet with the entire class or just with one group at a time. We will work with you and your partner to schedule these.

Course Outline: Tentative, ignore points for now ↓

Introductory Material- Vogl (*xx points*)

Ghost Ranch mapping project (*15 points*)

Geophysics project: the Rio Grande rift (*10 points*)

Valhalla mapping project (*xx points*)

Meert Baraboo Quartzite Mapping/Structure- (*15 points*)

Meert- Section Measurement/Descriptions Michigan- (*10 points*)

Total: 100 points

Tentative Course Schedule (Subject to Change!)

Monday May 24, 2021- Introduction to the Course (Vogl, Meert, TA's)

Tuesday May 25- Vogl Intro material

Wednesday May 26- Vogl Intro

Thursday May 27- Vogl Intro

Friday May 28- Vogl Intro

Monday May 31- Vogl Intro

Tuesday June 2- Vogl Intro

Wednesday June 3- Meert Ghost Ranch Introductory Material

Thursday June 4- Meert Ghost Ranch

Friday June 5- Meert Ghost Ranch

Monday June 7- Ghost Ranch- Meert

Tuesday June 8- Ghost Ranch Meert

Wednesday June 9- Ghost Ranch Meert

Thursday June 10- Ghost Ranch Projects Due Midnight

Friday June 11- Geophysics Intro Meert

Monday June 14- Geophysics Meert

Tuesday June 15- Geophysics Meert

Wednesday June 16-Geophysics Meert

Thursday June 17- Geophysics Meert



Friday June 18- Geophysics Projects Due Midnight

Monday June 21- July 8 or 9- Vogl Projects and Field Trip

July 8 or 9- Meert joins field trip to Wisconsin Upper Peninsula Michigan

July 18 or July 20- Return to campus- Course finishes when project due date is met for field exercises.

Course Summary:

Date	Details	Due
Mon May 24, 2021	 GLY4790-8106(12338) - Geol Summer Camp https://ufl.instructure.com/calendar?event_id=2073068&include_contexts=course_430165	9am to 12pm
Tue May 25, 2021	 GLY4790-8106(12338) - Geol Summer Camp https://ufl.instructure.com/calendar?event_id=2073069&include_contexts=course_430165	9am to 12pm

Date	Details	Due
Wed May 26, 2021	 GLY4790-8106(12338) - Geol Summer Camp (https://ufl.instructure.com/calendar?event_id=2073070&include_contexts=course_430165)	9am to 12pm
Thu May 27, 2021	 GLY4790-8106(12338) - Geol Summer Camp (https://ufl.instructure.com/calendar?event_id=2073071&include_contexts=course_430165)	9am to 12pm
Fri May 28, 2021	 GLY4790-8106(12338) - Geol Summer Camp (https://ufl.instructure.com/calendar?event_id=2073072&include_contexts=course_430165)	9am to 12pm
Sat May 29, 2021	 GLY4790-8106(12338) - Geol Summer Camp (https://ufl.instructure.com/calendar?event_id=2073073&include_contexts=course_430165)	9am to 12pm
Sun May 30, 2021	 GLY4790-8106(12338) - Geol Summer Camp (https://ufl.instructure.com/calendar?event_id=2073074&include_contexts=course_430165)	9am to 12pm
Mon May 31, 2021	 GLY4790-8106(12338) - Geol Summer Camp (https://ufl.instructure.com/calendar?event_id=2073075&include_contexts=course_430165)	9am to 12pm
Tue Jun 1, 2021	 GLY4790-8106(12338) - Geol Summer Camp (https://ufl.instructure.com/calendar?event_id=2073076&include_contexts=course_430165)	9am to 12pm
Wed Jun 2, 2021	 GLY4790-8106(12338) - Geol Summer Camp (https://ufl.instructure.com/calendar?event_id=2073077&include_contexts=course_430165)	9am to 12pm
Thu Jun 3, 2021	 GLY4790-8106(12338) - Geol Summer Camp (https://ufl.instructure.com/calendar?event_id=2073078&include_contexts=course_430165)	9am to 12pm
Fri Jun 4, 2021	 GLY4790-8106(12338) - Geol Summer Camp (https://ufl.instructure.com/calendar?event_id=2073079&include_contexts=course_430165)	9am to 12pm
Sat Jun 5, 2021	 GLY4790-8106(12338) - Geol Summer Camp (https://ufl.instructure.com/calendar?event_id=2073080&include_contexts=course_430165)	9am to 12pm
Sun Jun 6, 2021	 GLY4790-8106(12338) - Geol Summer Camp (https://ufl.instructure.com/calendar?event_id=2073081&include_contexts=course_430165)	9am to 12pm

Date	Details	Due
Mon Jun 7, 2021	 GLY4790-8106(12338) - Geol Summer Camp (https://ufl.instructure.com/calendar?event_id=2073082&include_contexts=course_430165)	9am to 12pm
Tue Jun 8, 2021	 GLY4790-8106(12338) - Geol Summer Camp (https://ufl.instructure.com/calendar?event_id=2073083&include_contexts=course_430165)	9am to 12pm
Wed Jun 9, 2021	 GLY4790-8106(12338) - Geol Summer Camp (https://ufl.instructure.com/calendar?event_id=2073084&include_contexts=course_430165)	9am to 12pm
Thu Jun 10, 2021	 GLY4790-8106(12338) - Geol Summer Camp (https://ufl.instructure.com/calendar?event_id=2073085&include_contexts=course_430165)	9am to 12pm
Fri Jun 11, 2021	 GLY4790-8106(12338) - Geol Summer Camp (https://ufl.instructure.com/calendar?event_id=2073086&include_contexts=course_430165)	9am to 12pm
Sat Jun 12, 2021	 GLY4790-8106(12338) - Geol Summer Camp (https://ufl.instructure.com/calendar?event_id=2073087&include_contexts=course_430165)	9am to 12pm
Sun Jun 13, 2021	 GLY4790-8106(12338) - Geol Summer Camp (https://ufl.instructure.com/calendar?event_id=2073088&include_contexts=course_430165)	9am to 12pm
Mon Jun 14, 2021	 GLY4790-8106(12338) - Geol Summer Camp (https://ufl.instructure.com/calendar?event_id=2073089&include_contexts=course_430165)	9am to 12pm
Tue Jun 15, 2021	 GLY4790-8106(12338) - Geol Summer Camp (https://ufl.instructure.com/calendar?event_id=2073090&include_contexts=course_430165)	9am to 12pm
Wed Jun 16, 2021	 GLY4790-8106(12338) - Geol Summer Camp (https://ufl.instructure.com/calendar?event_id=2073091&include_contexts=course_430165)	9am to 12pm
Thu Jun 17, 2021	 GLY4790-8106(12338) - Geol Summer Camp (https://ufl.instructure.com/calendar?event_id=2073092&include_contexts=course_430165)	9am to 12pm
Fri Jun 18, 2021	 GLY4790-8106(12338) - Geol Summer Camp (https://ufl.instructure.com/calendar?event_id=2073093&include_contexts=course_430165)	9am to 12pm

Date	Details	Due
Sat Jun 19, 2021	 GLY4790-8106(12338) - Geol Summer Camp (https://ufl.instructure.com/calendar?event_id=2073094&include_contexts=course_430165)	9am to 12pm
Sun Jun 20, 2021	 GLY4790-8106(12338) - Geol Summer Camp (https://ufl.instructure.com/calendar?event_id=2073095&include_contexts=course_430165)	9am to 12pm
Mon Jun 21, 2021	 GLY4790-8106(12338) - Geol Summer Camp (https://ufl.instructure.com/calendar?event_id=2073096&include_contexts=course_430165)	9am to 12pm
Tue Jun 22, 2021	 GLY4790-8106(12338) - Geol Summer Camp (https://ufl.instructure.com/calendar?event_id=2073097&include_contexts=course_430165)	9am to 12pm
Wed Jun 23, 2021	 GLY4790-8106(12338) - Geol Summer Camp (https://ufl.instructure.com/calendar?event_id=2073098&include_contexts=course_430165)	9am to 12pm
Thu Jun 24, 2021	 GLY4790-8106(12338) - Geol Summer Camp (https://ufl.instructure.com/calendar?event_id=2073099&include_contexts=course_430165)	9am to 12pm
Fri Jun 25, 2021	 GLY4790-8106(12338) - Geol Summer Camp (https://ufl.instructure.com/calendar?event_id=2073100&include_contexts=course_430165)	9am to 12pm
Sat Jun 26, 2021	 GLY4790-8106(12338) - Geol Summer Camp (https://ufl.instructure.com/calendar?event_id=2073101&include_contexts=course_430165)	9am to 12pm
Sun Jun 27, 2021	 GLY4790-8106(12338) - Geol Summer Camp (https://ufl.instructure.com/calendar?event_id=2073102&include_contexts=course_430165)	9am to 12pm
Mon Jun 28, 2021	 GLY4790-8106(12338) - Geol Summer Camp (https://ufl.instructure.com/calendar?event_id=2073103&include_contexts=course_430165)	9am to 12pm
Tue Jun 29, 2021	 GLY4790-8106(12338) - Geol Summer Camp (https://ufl.instructure.com/calendar?event_id=2073104&include_contexts=course_430165)	9am to 12pm
Wed Jun 30, 2021	 GLY4790-8106(12338) - Geol Summer Camp (https://ufl.instructure.com/calendar?event_id=2073105&include_contexts=course_430165)	9am to 12pm