

GEOL 400 - GEOLOGY SUMMER FIELD CAMP

Instructors

Dr. Raphaël Gottardi (gottardi@louisiana.edu),
Kristie Cornell (kcornell@louisiana.edu)
Dr. Davide Oppo (davide.oppo@louisiana.edu)

Class schedule

See attached sheets for itinerary and dates

Textbook

No formal text required; see handouts and reprints for detailed information.
Some useful textbooks: *Geology in the field*, by R. Compton; *Geological Field Techniques*, by A. Cole.

Course Policies

- Students are responsible for familiarizing themselves with the Student Handbook, the UL Undergraduate Bulletin, the Code of Academic Honesty, and all other course policies, such as safety policies, notebook requirements, asking questions, etc.
- All assignments must be turned in on time, *no exceptions*.
- Late assignments are penalized one point per minute. A similar one point per minute penalty is given for any tardiness for gathering or leaving times, e.g., in the mornings, after lunch, or coming out of the field, etc.

Attendance

Obviously, students must attend the field camp and complete all assignments. The following is quoted from the class attendance policy adopted in the UL undergraduate bulletin: "*Class attendance is regarded as an obligation as well as a privilege, and all students are expected to attend regularly and punctually all classes in which they are enrolled. Failure to do so may jeopardize a student's scholastic standing and may lead to suspension from the University....*"

Grades

Grades are based on assignments given throughout the field course according to the guidelines established in handouts (Neatness, Labeling, Structure, Geology, etc.), as well as attendance and attitude in the field. Specific point assignments will be explained prior to each assignment. The total value of each assignment is shown on the attached sheet. Final Letter grades will be assigned approximately according to the total % earned by the student as follow:
Final Course Grade as related to Total % - F < 60 < D < 70 < C < 80 < B < 90 < A < 100%

Term Paper and Chart

Each student must turn in a Term Paper and an Event Correlation Chart which are due at the end of the summer course (upon arrival in Lafayette). The paper will be no more than 10 pages long and titled "The Geologic History of Western North America". It will be a written summary of the events listed on the correlation chart which is a summary of the features that have been seen throughout the field course.

Safety Policy

This course is one which involves strenuous physical activity in a variety of settings, including rugged terrain and along and on busy roadways. You can and will encounter dangerous situations and each person must observe safety procedures at all times. Each student must sign and submit a release form. Also, everyone must have (and observe) the following statement in every notebook that is used: "Field work is inherently dangerous: safety is our number one priority." Check the appropriate publications and notes to assure that you know the safety and emergency procedures. Failure to observe safety procedures can result in scholastic penalties and even dismissal from the course.

GEOL 400 –Geology Field Camp Itinerary May 17th – June 27th, 2021

Week	Day	Date	Location	Project
		(-2)	Lafayette (LA) -> Wichita Falls (TX)	[550 miles]
		(-1)	Wichita Falls (TX) -> Albuquerque (NM)	[520 miles]
Week 1	1	16-May	Albuquerque (NM) -> Moab (UT)	Regional overview / Intro to field camp
	2	17-May	Moab Rim Campark (Moab, UT)	Regional Geology, Stratigraphy, Canyonland NP
	3	18-May	Moab Rim Campark (Moab, UT)	Regional Geology, Arches NP , Intro to project 1
	4	19-May	Moab Rim Campark (Moab, UT)	Project [01]
	5	20-May	Moab Rim Campark (Moab, UT)	Project [02]
	6	21-May	Moab Rim Campark (Moab, UT)	Day Off
	7	22-May	Moab (UT) -> Cedar City (UT)	Travel / Regional Geology
Week 2	8	23-May	Cedar City KOA (Cedar City, UT)	Project [03]
	9	24-May	Cedar City KOA (Cedar City, UT)	Project [04] A
	10	25-May	Cedar City KOA (Cedar City, UT)	Project [04] B
	11	26-May	Cedar City KOA (Cedar City, UT)	Bryce Canyon NP
	12	27-May	Cedar City KOA (Cedar City, UT)	Project [05] A
	13	28-May	Cedar City KOA (Cedar City, UT)	Project [05] B
	14	29-May	Cedar City KOA (Cedar City, UT)	Snow Valley State Park / Pine Mtn Laccolith
Week 3	15	30-May	Memorial Day Cedar City KOA (Cedar City, UT)	Project [06] A
	16	31-May	Cedar City KOA (Cedar City, UT)	Project [06] B
	17	1-Jun	Cedar City KOA (Cedar City, UT)	Zion National Park
	18	2-Jun	Cedar City (UT) → Craters of the Moon (ID)	Craters of the moon NM
	19	3-Jun	Crater of the Moon (ID) → Colter Bay	Grand Tetons NP
	20	4-Jun	Colter Bay	Yellowstone NP
21	5-Jun	Colter Bay → Greybull	Travel (Switch instructor)	
Week 4	22	6-Jun	Greybull KOA (Greybull, WY)	Project [07]
	23	7-Jun	Greybull KOA (Greybull, WY)	Regional Geology - Paleozoic Section
	24	8-Jun	Greybull KOA (Greybull, WY)	Regional Geology - Mesozoic Section
	25	9-Jun	Greybull KOA (Greybull, WY)	Project [08]
	26	10-Jun	Greybull KOA (Greybull, WY)	Project [09] A
	27	11-Jun	Greybull KOA (Greybull, WY)	Project [09] B
	28	12-Jun	Greybull KOA (Greybull, WY)	Day Off
Week 5	29	13-Jun	Greybull KOA (Greybull, WY)	Project [10]A
	30	14-Jun	Greybull KOA (Greybull, WY)	Project [10] B
	31	15-Jun	Greybull KOA (Greybull, WY)	Project [10] C
	32	16-Jun	Greybull KOA (Greybull, WY)	Work day
	33	17-Jun	Greybull -> Red Lodge (MT)	Regional Geology
	34	18-Jun	Red Lodge (MT)	Project [11] A
	35	19-Jun	Red Lodge (MT)	Project [11] B
Week 6	36	20-Jun	Red Lodge (MT)	Project [12]
	37	21-Jun	Red Lodge (MT)	Project [13]
	38	22-Jun	Red Lodge (MT)	Project [14]
	39	23-Jun	Red Lodge (MT)	Project [15]
	40	24-Jun	Red Lodge (MT) → Denver (CO)	Travel
	41	25-Jun	Denver (CO) → Oklahoma City (OK)	Travel
	42	26-Jun	Oklahoma City (OK) → Lafayette (LA)	Travel