

GEO 320L, Introductory Field Geology
Unique #78060
Department of Geological Sciences
University of Texas at Austin
May, 2019
v. 2.0

Teaching staff

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Teaching Assistant: TBD

Expected Schedule (subject to modification if needed)

Wednesday, 15 May: Introduction, Brunton compass, pace-and-compass exercise in Zilker Park, review rocks and minerals, Geologic map of Austin
Thursday, 16 May: Mapping project in McKinney Falls State Park, near Austin.
Friday, 17 May: Finish McKinney Falls mapping project; geology of Austin.
Saturday, 18 May: Measure stratigraphic section and interpret environments of deposition of the Edwards, Walnut and Glen Rose formations, west Austin of Austin. Geology of Austin#1
Sunday, 19 May: Grand Tour#1 Geology of the Hill Country and eastern Llano Uplift. Sunday and Monday nights at Thunderbird Resort on Lake Buchanan (11 miles from Burnet).
Monday, 20 May: Mapping project around Spider Mountain in the eastern Llano Uplift.
Tuesday, 21 May: Finish Spider Mountain mapping project; mid-afternoon return to Austin.
Wednesday, 22 May: Mapping project at the Scott Morse Ranch in the southern Llano Uplift.
Thursday, 23 May: Grand Tour#2 Western Llano Uplift via stops at Enchanted Rock State Natural Area, Llano River, Ilanite locality, Hickory oolitic sandstone, Cambrian bioherm, etc. Overnight Junction
Friday, 24 May: Mapping project at the Hunt ranch property near Mason.
Saturday, 25 May: Commencement – Day off
Sunday, 26 May: Geology of Austin#2 – The Cretaceous seaway: Eagle Ford, Buda, Del Rio, Georgetown formations
Monday, 27 May: Memorial Day Review for written final exam; finish projects.
Tuesday, May 28: 9:00 a.m., Rooms 2.306 and 2.308: Written final exam; submittal of remaining work.
Wednesday, May 29, 8 a.m. Field final exam.

EQUIPMENT LIST

On loan or provided by the department

- clipboard (on loan)
- Brunton compass (on loan)
- Field Notebook (provided)
- small squirt bottle with acid (on loan)

Required

- pencils (2H) and erasers; set of colored pencils
- six-inch rule (best is post rule with protractor on it)
- canteen/water bottles (capacity of at least one quart)
- proper field clothes (hat, sturdy shoes or boots)
- knapsack or carrying bag
- hand lens
- protractor
- watch
- rainwear
- belt to hold compass case

Recommended

- geology hammer
- aspirin, chap stick
- insect repellent (get a good spray)
- sunglasses, sun screen or suntan lotion
- Band-Aids w/ Neosporin first-aid cream
- tweezers (for cactus)

Prohibited

- firearms
- consumption of alcoholic beverages in University vehicles or in vehicles rented for use
- illegal chemical substances
- personal vehicles

