

Geology 320L, Introductory Field Geology

May, 2012

v. 1.0

Teaching staff

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Teaching Assistant: TBD

- Monday, 7 May: Introductions, review of common rocks and minerals; review of geologic structures; introduction to the Brunton compass; Brunton compass exercise.
- Tuesday, 8 May: Pace-and-compass exercise in Zilker Park; interpretation of a geologic map.
- Wednesday, 16 May: Mapping project in McKinney Falls State Park, near Austin.
- Thursday, 17 May: Finish McKinney Falls mapping project; geology of Austin.
- Friday, 18 May: Measure stratigraphic sections and interpret environments of deposition of the Walnut Formation, west edge of Austin.
- Saturday, 19 May: Commencement. Day off.
- Sunday, 20 May: Grand Tour introduction to the geology of the Hill Country and eastern Llano Uplift. Sunday and Monday nights at Thunderbird Resort on Lake Buchanan (11 miles from Burnet).
- Monday, 21 May: Mapping project at Spider Mountain in the eastern Llano Uplift; tour of Longhorn Cavern (optional).
- Tuesday, 22 May: Finish Spider Mountain mapping project; mid-afternoon return to Austin.
- Wednesday, 23 May: Mapping project at the Scott Morse Ranch in the southern Llano Uplift.
- Thursday, 24 May: Travel to western Llano Uplift via stops at Enchanted Rock State Natural Area, Ilanite locality, project at the Brian Hunt property near Mason.
- Friday, 25 May: Mapping project at the Stefanski Ranch in the western Llano Uplift.
- Saturday, 26 May: Mapping project at the Weitz Ranch in the western Llano Uplift. Mid-afternoon return to Austin.
- Sunday, 27 May: Review for written final exam; finish projects.
- Monday, 28 May: Memorial Day holiday. 8 a.m., Rooms 2.306 and 2.308: Written final exam; submittal of remaining work.
- Tuesday, 29 May, 8 a.m. Field final exam.

EQUIPMENT LIST

Provided by the department

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

Required

- pencils (2H and a 2) and erasers; set of colored pencils
- six-inch rule (best is post rule with protractor on it)
- canteen (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
- drying agent if sensitive to poison ivy
- sunglasses, sun screen or suntan lotion
- Band-Aids
- tweezers

Prohibited

- firearms
- consumption of alcoholic beverages in University vehicles or in vehicles rented for use in the course
- illegal chemical substances
- personal vehicles, except with authorization