

**GEO 320L, Introductory Field Geology**  
**Unique #78855**  
**Department of Geological Sciences**  
**University of Texas at Austin**  
May, 2018  
v. 1.0

*Teaching staff*

Mark Cloos, Prof. JGB 6.112, Phone: 512-471-4170 (office); cloos@jsg.utexas.edu  
Teaching Assistant: TBD

**Expected Schedule (subject to modification if needed)**

Wednesday, 16 May: Introduction, Brunton compass, pace-and-compass exercise in Zilker Park, review rocks and minerals, Geologic map of Austin  
Thursday, 17 May: Mapping project in McKinney Falls State Park, near Austin.  
Friday, 18 May: Finish McKinney Falls mapping project; geology of Austin.  
Saturday, 19 May: Commencement. Day off.  
Sunday, 20 May: Measure stratigraphic sections and interpret environments of deposition of the Walnut Formation, west edge of Austin. Geology of Austin#1  
Monday, 21 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).  
Tuesday, 22 May: Mapping project around Spider Mountain in the eastern Llano Uplift.  
Wednesday, 23 May: Finish Spider Mountain mapping project; mid-afternoon return to Austin.  
Thursday, 24 May: Mapping project at the Scott Morse Ranch in the southern Llano Uplift.  
Friday, 25 May: Grand Tour#2 Western Llano Uplift via stops at Enchanted Rock State Natural Area, Llano River, llanite locality, Hickory oolitic sandstone, Cambrian bioherm, etc. Overnight Junction  
Saturday, 26 May: Mapping project at the Hunt ranch property near Mason. Late return to Austin  
Sunday, 27 May: Geology of Austin#2 – The Cretaceous seaway  
Monday, 28 May: Memorial Day Review for written final exam; finish projects.  
Tuesday, May 29: 9:00 a.m., Rooms 2.306 and 2.308: Written final exam; submittal of remaining work.  
Wednesday, May 30, 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 (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)
- drying agent if sensitive to poison ivy
- 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, except with authorization