College of Science
Department of Geology & Geophysics

GEOL1602 Historical Geology
Lab Session 1

Eric (Zhang, Zelong)

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Office hours: Howe Russell E145

Friday 12 noon -2PM or by appointment

Important Policy

- Noise regulation: do tell you phone “Do not disturb” during class
- Feel free to ask questions anytime during lecture
- Attendance: student is expected to attend all classes
- Will miss a class: inform instructor in advance for make-up
- Quiz: No make-up for quiz
- Academic Integrity
- Other details in syllabus

Outline of the Day

- 1. Course introduction
- 2. Course structure
- 3. Grade
- 4. Introducing yourselves
- 5. Quiz
- 6. Lecture
- 7. Hands-on 13 rock samples

1. Course introduction

- **Historical Geology**: “Understand Earth Systems and their evolution through time.
  Enrich your sense of the 4th dimension (deep time). Learn in greater detail important geological and biological events in Earth history that have made the Earth system it is today.”
  – Dr. Huiming Bao
- **Hands-on experience** on sediments, plate tectonics, paleontology, and petrology.
  This lab course emphasizes the principles and methods by which geologists discover the origins and changing nature of our planet. These exercises or "studies" will help students understand how ancient conditions can be read from rocks and fossils, how geologic forces at the surface and within the planet can alter the environment, and how events of the past can be placed within an integrated chronological sequence.
  – Textbook “Laboratory Studies in Earth History”

2. Course structure

- It consists of 10 labs, 3 exams (2 session-exams and 1 final exam), and 10 in-class quizzes.

- You can leave early after you ‘surrender’ your reports.
  Or be the last man standing till the class is over. (no bonus)

3. Grading

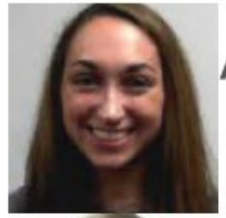
- 2 pt per quiz, up to 20 pt max
- 4 pt per lab, up to 40 pt max
- 12.5 pt per session-exam, up to 25 pt max
- 15 pt for final, up to 15 pt
- Raw scores (in 100-scale) will be given with a distribution pattern for each exam
- Don’t be panic when you get 99! It might be the second highest scores.

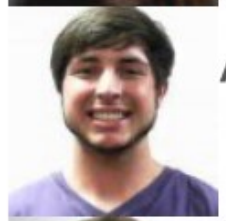
4. Introduce yourselves

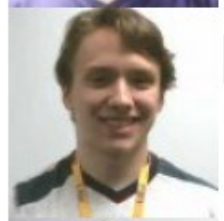
- Team building: buddy system
- Name, major, hometown, high school, etc.

5. Quiz (5 mins)

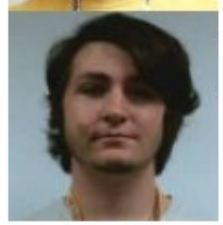
- Find their missing names and majors
- Pairing with your buddy


Anne Rapp

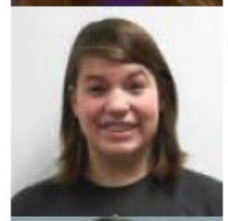

Anthony Caronna

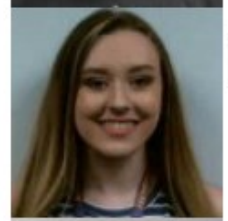

Eric Stein


Evan Dunton

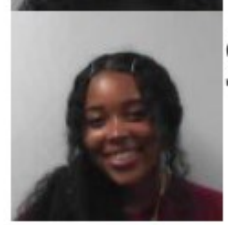

Hunter Adams

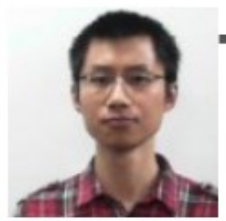

Kaycie Allen


Kayleigh Hoppe


Margaret Berggren


Megan Dakroub


Sidnie Stewart


TA Eric (Zelong Zhang)

6. Lecture

- 1/8 Sediment rock texture
- 2/8 Mineral composition
- 3/8 Sorting
- 4/8 Grain roundness
- 5/8 Grainsize
- 6/8 Fossil
- 7/8 Deposition environment
- 8/8 Rock name

7 Hands-on

- 1/8 Sediment rock texture
- 2/8 Mineral composition
- 3/8 Sorting
- 4/8 Grain roundness
- 5/8 Grainsize
- 6/8 Fossil
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