

**12:017 – Geology of the US National Parks -- 2 s.h.
Fall 2012, Tuesday 5:00-7:00 p.m., Room 125 TH**

Instructor: Jeff Dorale
Office: Room 35A Trowbridge Hall (TH)
Office Hours: Monday 10:30-12:00, Tuesday 3:30-5:00, and by appointment
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Text: Harris, Tuttle, and Tuttle, Geology of the National Parks, 6th Edition (IMU Bookstore)

<u>Date</u>	<u>Lecture Topic</u>	<u>Reading</u>
Aug. 21	Introduction and review of geological history and processes	
28	Bryce, Capitol Reef, Canyonlands, & Arches	Ch. 3, 4, 5 & 6
Sep. 4	Grand Canyon	Ch. 1
11	Mesa Verde, Petrified Forest & Great Sand Dunes	Ch. 7, 8 & 12
18	Badlands, Theodore Roosevelt & Dinosaur NM	Ch. 9 & 10 & p. 88
25	Exam 1	
Oct. 2	Everglades & Biscayne Bay	Ch. 19 & 20
9	Mammoth Cave, Wind Cave & Carlsbad Caverns	Ch. 14, 15 & 16
16	Voyageurs & Isle Royale	Ch. 22 & 23
23	Yosemite, Sequoia-Kings Canyon & Redwood	Ch. 28, 49 & 51
30	Mt. Rainer & Crater Lake	Ch. 35 & 36
Nov.6	Exam 2	
13	Rocky Mountain & Waterton-Glacier	Ch. 25 & 26
20	Thanksgiving vacation	
27	Great Basin & Death Valley	Ch. 45 & 48
Dec. 4	Yellowstone & Grand Teton	Ch. 43 & 44

Final Exam—TBA mid-September

Course Goals:

Most students in this course are not geologists, but many will visit or have visited one or more national parks. This course aims to make your trips more interesting by fostering an understanding of why an area was designated as a park, what you are seeing on your visit, how that area formed and how it has changed to be what it is today. Features will be explained in terms of basic geologic principles and history, and there will also generally be some discussion on the ecology of the park.

Course Policies:

You are expected to attend every class. If you cannot attend a class, please try to arrange with a classmate to obtain notes for that day. Final grades will be based entirely on the curve of the **total points** earned from the three exams (100 points each) and a student presentation (25 points). Plus and minus grades will be given. The final exam is **not** comprehensive; it covers only the last third of the semester. You must get 50% of the total points to pass the course. It will be helpful if you read the chapters covered on a given day before you come to class.

Department of Geoscience Syllabus Information:

Department Office: 121 Trowbridge Hall

Telephone: 319-335-1818

Department Chair (DEO): Prof. M.K. Reagan

DEO Office: 121C TH

DEO Telephone: 319-335-1820

DEO Email: geology-deo@uiowa.edu

Administrative Home

The College of Liberal Arts and Sciences is the administrative home of this course and governs matters such as the add/drop deadlines, the second-grade-only option, and other related issues.

Different colleges may have different policies. Questions may be addressed to 120 Schaeffer Hall, or see the CLAS Academic Policies Handbook at <http://clas.uiowa.edu/students/handbook>.

Electronic Communication

University policy specifies that students are responsible for all official correspondences sent to their University of Iowa e-mail address (@uiowa.edu). Faculty and students should use this account for correspondences. (*Operations Manual*, [III.15.2](#). k.11.)

Accommodations for Disabilities

A student seeking academic accommodations should first register with Student Disability Services and then meet privately with the course instructor to make particular arrangements. See www.uiowa.edu/~sds/ for more information.

Academic Honesty

All CLAS students have, in essence, agreed to the College's Code of Academic Honesty: "I pledge to do my own academic work and to excel to the best of my abilities, upholding the IOWA Challenge. I promise not to lie about my academic work, to cheat, or to steal the words or ideas of others; nor will I help fellow students to violate the Code of Academic Honesty." Any student committing academic misconduct is reported to the College and placed on disciplinary probation or may be suspended or expelled ([CLAS Academic Policies Handbook](#)).

CLAS Final Examination Policies

The final examination schedule for each class is announced around the fifth week of the semester by the Registrar. Final exams are offered only during the official final examination period. No exams of any kind are allowed during the last week of classes. All students should plan on being at the UI through the final examination period. Once the Registrar has announced the dates and times of each final exam, the complete schedule will be published on the Registrar's web site.

Making a Suggestion or a Complaint

Students with a suggestion or complaint should first visit the instructor, then the course supervisor, and then the departmental DEO. Complaints must be made within six months of the incident ([CLAS Student Academic Handbook](#).)

Understanding Sexual Harassment

Sexual harassment subverts the mission of the University and threatens the well-being of students, faculty, and staff. All members of the UI community have a responsibility to uphold this mission and to contribute to a safe environment that enhances learning. Incidents of sexual harassment should be reported immediately. See the UI [Comprehensive Guide on Sexual Harassment](#) for assistance, definitions, and the full University policy.

Reacting Safely to Severe Weather

In severe weather, class members should seek appropriate shelter immediately, leaving the classroom if necessary. The class will continue if possible when the event is over. For more information on Hawk Alert and the siren warning system, visit the Public Safety [web site](#).

Rights and responsibilities in the classroom

The College's statement on student rights and responsibilities can be found at: <http://www.clas.uiowa.edu/students/handbook/x/>.