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GLY3163: SYLLABUS

GEOLOGY OF AMERICAN NATIONAL PARKS

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ABOUT THE COURSE

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COURSE CREDITS

3 credit hours

INSTRUCTOR

Dr. David Foster

- **Office:** Williamson Hall 366
- **Phone:** 352.392.2231
- **e-mail:** For communication regarding the course e-mail the instructor or TA within e-Learning
- **Office Hours:** By appointment -- please e-mail through the e-Learning website to schedule a virtual meeting with the instructor or TA.

COURSE TA(S)

Hee Jun Cheong

Laura Mulrooney

COURSE WEBSITE

elearning.ufl.edu

COURSE COMMUNICATIONS

Please post general course questions on the **Have a Questions? discussion board.** Personal questions should be sent via e-mail through e-Learning.

Instructor will respond to students' inquiries within 24 hours on work days and within 48 hours on weekends.

TEXTBOOKS

*Geology of National Parks, 7*th edition, by D. Hacker, D. Foster, and A.G. Harris. Kendal/Hunt Publishing 2019

ADDITIONAL RESOURCES

Web links will be provided in the individual modules.

COURSE DESCRIPTION

This course is an introduction to the geological setting of selected U.S. National Parks. It provides an overview of geological concepts using the Parks as examples and relates the geology to cultural aspects of these parks and environmental issues. (General Education P)

COURSE GOALS AND OBJECTIVES

This course provides an overview of the geology of select American National Parks and adjacent regions in the context of geodynamic and geomorphologic processes. The National Parks display dramatic landscapes and geological features in nearly every of plate tectonic setting.

We will use the geology of the Parks to better understand the materials the make up the earth's crust and the processes involved in forming and modifying landscapes in the surface environment.

The geology of the National Parks will be related to cultural aspects and environmental issues. We will also study geological hazards including volcanic eruptions, earthquakes, and landslides that pertain to the various parks and adjacent regions.

When you complete this course will be able to identify geologic features of the American national parks, as well as explain the plate tectonic forces and surface processes that combine to create unique landscapes. This course will cover the following parks:

- Grand Canyon National Park
- Zion National Park
- Bryce Canyon National Park
- Arches National Park
- Canyonlands National Park
- Death Valley National Park
- Grand Teton National Park
- Mount Rainier National Park
- Olympic National Park
- Mount Saint Helens
- Crater Lake National Park
- Yosemite National Park
- Yellowstone National Park
- Great Smokey Mountain National Park
- Acadia National Park
- Shenandoah National Park
- Glacier National Park
- Rocky Mountain National Park
- Denali National Park
- Glacier Bay National Park

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COURSE POLICIES

PERFORMANCE POLICY

This Online course has been developed with the same rigorous standards of content as a campus course. Expectations for your performance are as high as they would be if you were taking this course in a classroom.

PARTICIPATION POLICY

Students are required to participate in all course activities and submit all assignments posted on the website. Students are required to participate in the group discussions by posting and replying to materials

ASSIGNMENT POLICY

 Complete all modules in the order they are presented on the course website; do not skip modules. Late work will not be accepted. In the event of illness or emergency, you must provide documentation and contact the Dean of Students office **http://www.dso.ufl.edu/**   **(http://www.dso.ufl.edu/)** .

Should you have technology issues, you MUST contact the Help Desk immediately. Any requests due to technical difficulties must be accompanied by the Help Desk ticket number and be submitted within 24 hours of the incident.

COURSE TECHNOLOGY

Students must use the email tool in Canvas for this course to communicate with the instructor and teaching assistant. Students are recommended to check their email account DAILY for the duration of the course. Access to and on-going use of a computer with Internet access is required for all students. Competency in the basic use of a computer is required. At times, computers crash and Internet connections fail. It is in your best interest NOT to wait until the last minute to complete assignments.

For help with e-Learning, contact the Help Desk at **http://helpdesk.ufl.edu**   **(http://helpdesk.ufl.edu)** or (352) 392-HELP - select option 2.

ONLINE COURSE EVALUATION

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback in a professional and respectful manner is available at https://gatorevals.aa.ufl.edu/students/   **(https://gatorevals.aa.ufl.edu/students/)** . Students will be notified when the evaluation period opens, and may complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via https://ufl.bluera.com/ufl/   **(https://urldefense.proofpoint.com/v2/url?u=https-3A__ufl.bluera.com_ufl_&d=DwMFAg&c=sJ6xIWYx-zLMB3EPkvcnVg&**

r=y2HjEMjRMHJhfdvLrqJZlYczRsfp5e4TfQjHuc5rVHg&m=WXko6OK_Ha6T00ZVAsEaSh99qRXHOgMNFRywCoehRho&s=itVU46DDJjnIg4CW6efJOOLgPjdzsPvCghyfzJoFONs&e=) .

GRADING POLICIES

For more information about the current UF grading policies for assignments and grade points go to the **UF Grades and Grading Policies web page (https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx)** .

ASSIGNMENT	TOTAL POINTS
Essay exams	200
Discussions (9)	360
Quizzes (15)	450
TOTAL	1010

Grading guidelines for individual assignments can be found in the course modules. Extra credits totaling 50 points will be awarded for completion of the syllabus quiz and mid-term self-evaluation.

GRADING SCALE

Final grading is based upon the percentage breakdown below:

PERCENT	GRADE	GRADE POINTS
93 or above	A	4.00
90 – 92	A-	3.67
87 – 89	B+	3.33
83 – 86	B	3.00
80 – 82	B-	2.67
77 – 79	C+	2.33
73 – 76	C	2.00
70 – 72	C-	1.67
67 – 69	D+	1.33
63 – 66	D	1.00
60 – 62	D-	0.67
59 or below	E	0.00

UF POLICIES

UNIVERSITY POLICY ON ACCOMMODATING STUDENTS WITH DISABILITIES

The Disability Resource Center   **(http://www.dso.ufl.edu/drc)** (352-392-8565, www.dso.ufl.edu/drc) in the Dean of Students Office provides students and faculty with information and support regarding accommodations for students with disabilities. Staff at the Disability Resource Center will assist any student who registers as having a disability. Official documentation of a disability is required to determine eligibility for appropriate accommodations. The professional employees at the Disability Resource Center serve as full-time advocates for students with disabilities ensuring students have physical and programmatic access to all college programs. One of the services provided by the Disability Resource Center includes accommodated testing - for further information visit **UF Accommodated Testing**   **(https://drc.dso.ufl.edu/accommodated-testing/)** .

Register here with the UF Disability Resource Center   **(https://www.dso.ufl.edu/drc/)**

UNIVERSITY POLICY ON ACADEMIC MISCONDUCT

UF students are bound by The Honor Pledge which states, "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: "On my honor, I have neither given nor received unauthorized aid in doing this assignment." **The Honor Code**   **(http://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/)** specifies a number of behaviors that are in violation of this code and the possible sanctions. It is expected that all work submitted for assignments is original and cited correctly. Violations to the code will be reported and plagiarism will result in a failing grade. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor or TAs in this class.

NETIQUETTE

All members of the class are expected to follow rules of common courtesy in all email messages, threaded discussions and chats. Please read the **Netiquette Guide for Online Courses**   **(http://teach.ufl.edu/wp-content/uploads/2012/08/NetiquetteGuideforOnlineCourses.pdf)** .

RECORDING OF LECTURES

Students are allowed to record video or audio of class lectures. However, the purposes for which these recordings may be used are strictly controlled. The only allowable purposes are (1) for personal education use, (2) in connection with a complaint to the university, or (3) as evidence in, or in preparation for, a criminal or civil proceeding. All other purposes are prohibited. Specifically, students may not publish recorded lectures without the written consent of the instructor. Publication without permission of the instructor is prohibited. To "publish" means to share, transmit, circulate, distribute, or provide access to a recording, regardless of format or medium, to another person (or persons), including but not limited to another student within the same class section. Additionally, a recording, or transcript of a recording, is considered published if it is posted on or uploaded to, in whole or in part, any media platform, including but not limited to social media, book, magazine, newspaper, leaflet, or third party note/tutoring services. A student who published a recording without the written consent may be subject to a civil cause of action instituted by a person injured by the publication and/or discipline under UF Regulation 4.040 Student Honor Code and Student Conduct Code.

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GETTING HELP

TECHNICAL HELP

For issues with technical difficulties for E-learning in Canvas, please contact the UF Help Desk:

- Location: HUB 132
- Email: **helpdesk@ufl.edu (mailto:helpdesk@ufl.edu)**
- Phone: (352) 392-HELP - select option 2
- Website: **https://lss.at.ufl.edu/help.shtml**   **(https://lss.at.ufl.edu/help.shtml)**

Any requests for make-ups due to technical issues MUST be accompanied by the ticket number received from LSS when the problem was reported to them. The ticket number will document the time and date of the problem. You MUST e-mail your instructor within 24 hours of the technical difficulty if you wish to request a make-up.

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DISCLAIMER

This syllabus represents my current plans and objectives. As we go through the semester, those plans may need to change to enhance the class learning opportunity. Such changes, communicated clearly, are not unusual and should be expected.

Course Summary:

Date	Details	Due
Mon Aug 30, 2021	📝 **Module 00: Syllabus Quiz** (https://ufl.instructure.com/courses/435947/assignments/4827300)	due by 11:59pm
Tue Aug 31, 2021	📝 **Module 01: Quiz 1: Background Material** (https://ufl.instructure.com/courses/435947/assignments/4827305)	due by 11:59pm
Thu Sep 2, 2021	📝 **Module 02: Quiz 2: Grand Canyon** (https://ufl.instructure.com/courses/435947/assignments/4827307)	due by 11:59pm
Tue Sep 7, 2021	📝 **Module 02: Discussion: Colorado Plateau** (https://ufl.instructure.com/courses/435947/assignments/4827326)	due by 11:59pm
	📝 **Module 03: Quiz 3: Bryce, Zion** (https://ufl.instructure.com/courses/435947/assignments/4827316)	due by 11:59pm
Thu Sep 9, 2021	📝 **Module 03: Quiz 4: Arches and Canyonlands** (https://ufl.instructure.com/courses/435947/assignments/4827310)	due by 11:59pm
Tue Sep 14, 2021	📝 **Module 03: Discussion: Mesa Verde National Park** (https://ufl.instructure.com/courses/435947/assignments/4827323)	due by 11:59pm
Thu Sep 16, 2021	📝 **Module 04: Quiz 5: Death Valley and Grand Teton** (https://ufl.instructure.com/courses/435947/assignments/4827313)	due by 11:59pm
Thu Sep 23, 2021	📝 **Module 04: Exam 1 Essay** (https://ufl.instructure.com/courses/435947/assignments/4827328)	due by 11:59pm
Tue Sep 28, 2021	📝 **Module 05: Quiz 6: Olympic** (https://ufl.instructure.com/courses/435947/assignments/4827301)	due by 11:59pm
Thu Sep 30, 2021	📝 **Module 05: Quiz 7: Cascade Arc Volcanoes** (https://ufl.instructure.com/courses/435947/assignments/4827308)	due by 11:59pm
	📝 **Module 05: Quiz 8: Katmai** (https://ufl.instructure.com/courses/435947/assignments/4827299)	due by 11:59pm
Tue Oct 5, 2021	📝 **Module 05: Discussion: Hazards of Arc Volcanoes** (https://ufl.instructure.com/courses/435947/assignments/4827324)	due by 11:59pm
Thu Oct 7, 2021	📝 **Module 06: Mid-term self evaluation** (https://ufl.instructure.com/courses/435947/assignments/4827311)	due by 11:59pm
	📝 **Module 06: Quiz 9: Yosemite** (https://ufl.instructure.com/courses/435947/assignments/4827312)	due by 11:59pm
Tue Oct 12, 2021	📝 **Module 07: Quiz 10: Yellowstone** (https://ufl.instructure.com/courses/435947/assignments/4827303)	due by 11:59pm
Thu Oct 14, 2021	📝 **Module 07: Discussion: National Parks-Too Much Love? Pressures from visitors in the most popular parks** (https://ufl.instructure.com/courses/435947/assignments/4827321)	due by 11:59pm
Thu Oct 21, 2021	📝 **Module 07: Exam 2: Hawaii Volcanoes** (https://ufl.instructure.com/courses/435947/assignments/4827329)	due by 11:59pm
Tue Oct 26, 2021	📝 **Module 08: Quiz 11: Great Smoky and Shenandoah** (https://ufl.instructure.com/courses/435947/assignments	due by 11:59pm

Date	Details	Due
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Thu Oct 28, 2021	📝 **Module 08: Discussion: Great Smoky Mountain National Park Air Quality** (https://ufl.instructure.com/courses/435947/assignments/4827320)	due by 11:59pm
Tue Nov 2, 2021	📝 **Module 08: Quiz 12: Acadia** (https://ufl.instructure.com/courses/435947/assignments/4827315)	due by 11:59pm
Thu Nov 4, 2021	📝 **Module 08: Discussion: Coastal Parks and Sea Level Rise** (https://ufl.instructure.com/courses/435947/assignments/4827319)	due by 11:59pm
Tue Nov 9, 2021	📝 **Module 09: Quiz 13: Glacier and Rocky Mountains** (https://ufl.instructure.com/courses/435947/assignments/4827309)	due by 11:59pm
Fri Nov 12, 2021	📝 **Module 09: Discussion: Glacier National Park Glaciers** (https://ufl.instructure.com/courses/435947/assignments/4827317)	due by 11:59pm
	📅 **University of Florida GatorEvals – Spring 2020** (https://ufl.instructure.com/calendar?event_id=2164179&include_contexts=course_435947)	11:59pm
Tue Nov 16, 2021	📝 **Module 10: Quiz 14. Glacier Bay** (https://ufl.instructure.com/courses/435947/assignments/4827306)	due by 11:59pm
Thu Nov 18, 2021	📝 **Module 10: Discussion: Wrangell-St. Elias Uplift** (https://ufl.instructure.com/courses/435947/assignments/4827327)	due by 11:59pm
Fri Nov 19, 2021	📅 **University of Florida GatorEvals – Fall 2020** (https://ufl.instructure.com/calendar?event_id=2164178&include_contexts=course_435947)	11:59pm
Fri Nov 26, 2021	📅 **University of Florida GatorEvals – Spring 2021** (https://ufl.instructure.com/calendar?event_id=2164180&include_contexts=course_435947)	11:59pm
	📅 **University of Florida GatorEvals – Spring 2021** (https://ufl.instructure.com/calendar?event_id=2164181&include_contexts=course_435947)	11:59pm
	📅 **University of Florida GatorEvals – Spring 2021** (https://ufl.instructure.com/calendar?event_id=2164182&include_contexts=course_435947)	11:59pm
	📅 **University of Florida GatorEvals – Spring 2021** (https://ufl.instructure.com/calendar?event_id=2164183&include_contexts=course_435947)	11:59pm
	📅 **University of Florida GatorEvals – Spring 2021** (https://ufl.instructure.com/calendar?event_id=2164184&include_contexts=course_435947)	11:59pm
Tue Nov 30, 2021	📝 **Module 10: Quiz 15. Denali** (https://ufl.instructure.com/courses/435947/assignments/4827314)	due by 11:59pm
Thu Dec 2, 2021	📝 **Module 10: Discussion: Geology of a National Park** (https://ufl.instructure.com/courses/435947/assignments/4827325)	due by 11:59pm