

GEL 25 - Geology of National Parks - Fall 2018

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Office: Earth & Physical Sciences Bldg., room 3224

Office Hours: Monday 2:00-3:00 & Wednesday 1:00-2:00

Please read the GEL25 Canvas site closely for more detail on the course.

<u>Date</u>	<u>Lecture Topic</u>
Sept 26 – Oct. 17	National Parks of the Colorado Plateau: Grand Canyon, Zion, Bryce, Canyonlands, Arches and others. Concepts addressed include deep time, erosion and sedimentation, river processes, landscape evolution
Oct. 19 – Midterm 1 (50 min.) (<i>bring Scantron 2000</i>)	
Oct 22 – 29	National Parks of the Cascades: Crater Lake, Mt. Rainier, Mt. Lassen and others. Concepts addressed include convergent tectonics, explosive volcanism, volcanic deposits.
Oct 31 – Nov 9	National Parks of the Sierra Nevada: Yosemite, Sequoia, Kings Canyon. Concepts addressed include convergent tectonism, mountain building, and glaciation. (<i>no class on Monday, Nov. 12, Veteran's Day</i>)
Nov. 14 – Midterm 2 (50 min.) (<i>bring Scantron 2000</i>)	
Nov. 16 - 21	National Parks of the Rocky Mountains: Rocky Mountain, Glacier. Concepts addressed include compressional tectonics, ancient landscapes
Nov 26 – 30	National Parks of the Basin & Range: Death Valley, Grand Teton. Concepts addressed include extensional tectonics, desert processes
Dec 3 – 5	National Parks related to volcanic hot spots: Hawaii Volcanoes, Yellowstone. Concepts addressed include explosive vs. effusive volcanism, mega-volcanoes, volcanic hazards
Dec 7	National Parks along the San Andreas Fault: Pinnacles, Pt. Reyes. Concepts addressed include shear tectonics, earthquakes, shoreline processes.
Dec. 11 – Tuesdav. 10:30-12:30 – Final exam (<i>comprehensive. brina Scantron 2000</i>)	