

GEOLOGY 407/507

Colloquium

CRN 41245/41253 (1 credit), Winter 2024

Location: Portland State University,
Remote access via Zoom & in person at CH171

Instructor: Dr. Alex Ruzicka
email: ruzickaa@pdx.edu

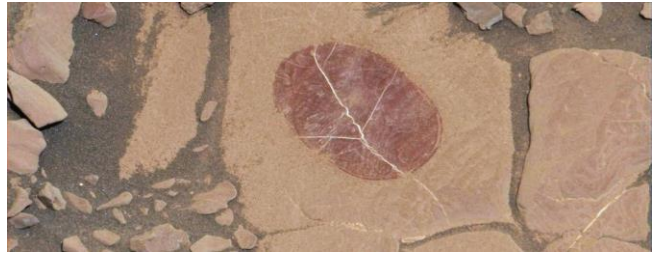


Image obtained Sol 1819 by the Curiosity rover on Mars at Vera Rubin Ridge in Gale Crater, with brush mark showing hematite-rich rock with white sulfate veins. Credit: NASA.

Course description: The theme of this semester's Geology Department colloquium will be **"Planets, meteorites, and sample analysis techniques"**. Presentations will be accessible via the Zoom platform and in person (for two talks) in CH171, with links to access the Zoom presentations made available to students enrolled in this course as well as faculty and students from the wider university community.

Grades: Grading is Pass/No Pass only, and will be determined based largely on attendance, which is required. In addition, enrolled students should send an email to the instructor between Mar. 6-15 (note **deadline is Mar. 15**) with some impressions of what they thought about the colloquium. Possible topics for this email could be whether talks were too technical or too general, what you liked best or least, whether there were any difficulties with Zoom that caused major problems, whether you would have recommended the presentations to your peers, etc. Attendance will be weighted 80% and the email impressions 20% of the total grade. A Pass for this course will require a score of at least 71/100.

Other policies: (a) If you feel you have a disability and need an accommodation, contact the Disability Resource Center (drc@pdx.edu, 503-725-4150). (b) Each student is responsible for attendance. If you have technical difficulty, please contact the instructor to report on the problem. (c) A culture of professionalism and mutual respect is expected. Any incident of discrimination or discriminatory harassment, including sexual harassment, can be reported to the Office of Equity and Compliance, or the Office of the Dean of Student Life. For resources, see <http://www.pdx.edu/sexual-assault/get-help> (d) Students are expected to follow PSU policies for academic integrity, which means not engaging in academic misconduct; see <https://www.pdx.edu/dos/academic-misconduct>.

SPEAKER SCHEDULE. All talks begin at 3:30 PM Pacific Time.

Date	Modality	Speaker / Affiliation	Topic
Jan. 10	CH171 + Zoom	Greg Baty / CEMN & PSU	The Center for Electron Microscopy and Nanofabrication at PSU
Jan. 17	Zoom	Chris Herd / Univ. Alberta	"Finding the Source Craters of the Martian Meteorites"
Jan. 23	Zoom	James Day / Scripps I.G.L., Univ. Calif. San Diego	"Building Rocky Worlds"
Jan. 31	Zoom	Tom Sharp / Arizona State University	Shock Veins in Chondrites
Feb. 7	Zoom	Arya Udry / Univ. Nevada Las Vegas	Importance of Martian Samples

Feb. 14	CH171+ Zoom	George McDonald / ECE Dept. PSU	"Strange New Worlds: The Dwarf Planet Haumea and Other Large Trans-Neptunian Objects"
Feb. 21	Zoom	Jon Friedrich / Fordham Univ. & American Museum Natural History	"X-ray Computed Tomography in Meteoritics"
Feb. 28	Zoom	Mike Weisberg / Kingsborough College CUNY	"Enstatite Chondrites and Their Relationship to the Terrestrial Planets"