

ERTH 711 SYLLABUS

Year Course Offered: **Fall 2022**

Course Number: **711**

Name of Course: **Lunar Geology**

Number of Credits: **3**

Name of Instructor: **Shuai Li**

Class Hours: **M&F: 9:30 – 10:45**

Class Room: **POST 602**

Office Hours: **By appointment**

Prerequisites:

Geology 101, petrology 101, geochemistry 101 and comparable courses.

Learning Objectives

This course aims to provide senior undergraduate students and junior graduate students general background about the geology of the Moon. Contents of this course are designed for students who are interested in deeper understanding or doing research about the Moon.

Major Assignments/Exams

1. Monthly quizzes for major topics.
2. A mid-term exam.
3. A final exam.

Selected Topics to be Covered (Fall 2022):

- Origins and thermal history of the Moon
- The lunar magma ocean
- Surface environment and surface processes on the Moon
- The lunar surface chemistry, mineralogy, regolith, and rocks
- Physical properties of the lunar surface
- Lunar spectroscopy
- Potential *In situ* resources (e.g., water ice) on the Moon
- Past, current, and future explorations of the Moon

Grading

Class participation: 20%

Monthly quizzes: 20%

Mid-term exam: 30%

Final exam: 30%

Title IX is a landmark federal civil right that prohibits sex discrimination in education. Members of the UH Mānoa community, guests and visitors have the right to be free from all forms of sex/gender harassment, discrimination and misconduct, examples of which can include acts of sexual violence, sexual harassment, domestic violence, dating violence and stalking. All members of the campus community are expected to conduct themselves in a manner that does not infringe upon the rights of others.

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The university believes in zero tolerance for sex/gender-based misconduct. Zero tolerance means that when an allegation of misconduct is brought to an appropriate administrator's attention, protective and other remedial measures will be used to reasonably ensure that such conduct ends, is not repeated and the effects on the victim and community are remedied.

The Office of Title IX has the specific responsibility for providing prompt and effective responses to all complaints of sex discrimination or harassment for faculty, staff and students.

The Title IX Coordinator reports directly to the President of the University. Any questions about this policy should be directed to the Title IX Coordinator. Anyone wishing to make a report relating to sex discrimination or harassment may do so by reporting the concern to the university's Title IX Coordinator.

The EEO/AA Office handles all employee versus employee complaints of discrimination. Please contact Dee Uwono, Deputy Title IX Coordinator for Employees vs Employees and Director of Equal Employment Opportunity/Affirmative Action Office, at (808) 956-7077 or email at eeo@hawaii.edu. Please see www.hawaii.edu/offices/eeo/ for further information.