

Course Change Request

New Course Proposal

Date Submitted: 09/03/21 3:38 pm

Viewing: **GEOL 103 : Physical Geology Lab**

Last edit: 09/23/21 11:25 am

Changes proposed by: muhen

Are you completing this form on someone else's behalf?

In Workflow

1. AOES Chair
2. SC Curriculum Committee
3. SC Associate Dean
4. Assoc Provost- Undergraduate
5. Registrar-Courses
6. Banner

Approval Path

1. 09/07/21 11:28 am
Mark Uhen
(muhen): Approved for AOES Chair

No

Effective Term: Fall 2022

Subject Code: GEOL - Geology

Course Number: 103

Bundled Courses:

Is this course replacing another course? No

Equivalent Courses:

Catalog Title: Physical Geology Lab

Banner Title: Physical Geology Lab

Will section titles vary by semester? No

Credits: 1

Schedule Type: Laboratory

Hours of Lab or Studio per week: 3

Repeatable: May be only taken once for credit, limited to 3 attempts (N3)

Max Allowable Credits: 3

Default Grade Mode: Undergraduate Regular

Recommended Prerequisite(s):

Recommended Corequisite(s):

Required Prerequisite(s) / Corequisite(s) (Updates only):

GEOL 101 (concurrent enrollment permitted)

Registrar's Office Use Only - Required Prerequisite(s)/Corequisite(s):

And/Or	(Course/Test Code	Min Grade/Score	Academic Level)	Concurrency?

Registration Restrictions (Updates only):

Registrar's Office Use Only - Registration Restrictions:

Field(s) of Study:

Class(es):

Level(s):

Degree(s):

School(s):

Catalog Description:

Covers Earth, processes that operate within Earth and on surface, and human interaction with Earth. Topics include minerals, earthquakes and seismology, isostasy, igneous processes and rocks, paleomagnetism and plate tectonics, weathering, mass movements, rivers and streams, groundwater, glaciers, and marine processes. Notes: May include field trips.

Justification:

We are proposing to separate the lab portion of the current GEOL 101 into a separate course, GEOL 103. This was done recently for GEOL 102, separating the lecture (GEOL 102) and lab (GEOL 104), to simplify course administration, and to add more flexibility to students. This has proven to be very successful.

Does this course cover material which crosses into another department?

No

Learning Outcomes:

Attach Syllabus

[new GEOL 103 syllabus.pdf](#)

Additional Attachments

Staffing:

This course will be taught by a variety of AOES faculty, teaching assistants and adjunct faculty, as it is now as part of GEOL 101.

Relationship to Existing Programs:

Required course for Geology BS and BA.

Relationship to Existing Courses:

This is the lab portion of the former, 4 credit GEOL 101, which is also being proposed now as a 3 credit lecture.

Additional Comments:

Reviewer Comments

Key: 17296

GEOLOGY 103 PHYSICAL GEOLOGY LAB

Instructor: TBA

Office: TBA

E-mail: TBA **Office Hours:** TBA

Class time:

NOTE: The first lab will be held the SECOND week of the semester

Lab Manual: Physical Geology Workbook, *Kysar-Mattietti and Verardo*, Kendall Hunt, 6th edition. The book is ONLY available as an electronic copy.

<https://he.kendallhunt.com/product/physical-geology>

General information and Laboratory Policies:

- It is the student's responsibility to verify his/her enrollment status in this lab section. NOTE that the first week of lab will be held during the SECOND week of the semester. This is to ensure that you, the student, have been given the requisite knowledge about the material.
- The laboratory course consists of 13 lab sessions (see attached table with dates and lab topics). Lab session is scheduled for the duration of 2 hours 45 minutes. Expect to spend that amount of time in lab!
- There will be TWO exams to test your requisite knowledge of the material.
- All exercises are due by the end of lab time unless otherwise specified by the instructor.
- Make-up labs will not be administered, and missing a lab can be detrimental to your overall lab grade, as you will not be taught the information that will be on the exams.
- Students are encouraged to participate actively in the lab activities and to collaborate at the solution of the problems presented during the session.
- Students take responsibility for their actions during GEOL 103 lab time. Students participating are bound by all university Policies and uphold the GMU Honor Code. Disruptive behavior during lab time will not be tolerated.

MASON POLICY GUIDELINES

Integrity: GMU has an Honor Code with guidelines regarding academic integrity; please see <http://oai.gmu.edu> for more information.

Disability: If you are a student with a disability and you need academic accommodations, please see me and also contact the Office of Disability Services (ODS) <http://ods.gmu.edu>. All academic accommodations must be arranged through the ODS. You will need to contact this office prior to any special accommodation.

Diversity: Diversity is a core value at GMU; please see <http://ctfe.gmu.edu/professional-development/mason-diversity-statement> for more information.

Privacy: Students must use their Mason email account to receive important University information, including messages related to this class. Please see <http://masonlive.gmu.edu> for more information.

GEOL103 LABORATORY calendar – Fall 2021

Lab Topic Day Session

Week of Class	Topic
1	Topographic Maps
2	Mineral Identification
3	Igneous Rocks
4	Sedimentary Rocks
5	Metamorphic Rocks
6	EXAM ONE
7	Stream Erosion and Deposition
8	Surface Processes - Flood
9	Coastline Evolution
10	Volcanic Processes
11	Earthquakes
12	Structural Geology
13	EXAM 2