Course Change Request

Date Submitted: 02/16/22 4:18 pm

Viewing: GEOL 504 : Sedimentary Geology

Last approved: 05/18/21 5:03 am

Last edit: 02/16/22 4:18 pm

Changes proposed by: jbazaz

Catalog Pages referencing this course Department of Atmospheric, Oceanic and Earth Sciences <u>Geology (GEOL)</u>

Select modification type:

In Workflow

1. AOES Chair

- 2. SC Curriculum Committee
- 3. SC Associate Dean
- 4. Assoc Provost-Graduate
- 5. Registrar-Courses
- 6. Banner

▼

Approval Path

1. 02/16/22 4:43 pm Mark Uhen (muhen): Approved for AOES Chair

History

- Dec 4, 2019 by Geoff Gilleaudeau (ggilleau)
- 2. Nov 14, 2020 by Johanna Riemen (jriemen)
- 3. May 18, 2021 by Tory Sarro (vsarro)

504

Simple Substantial

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

No

Effective Term: Spring 2022

Subject Code: GEOL - Geology

Course Number:

https://workingcatalog.gmu.edu/courseleaf/approve/?role=SC Curriculum Committee

Bundled Courses:

Is this course replacing another course? No					
Equivalent Courses:					
Catalog Title:	Sedimentary Geology				
Banner Title:	Sedimentary Geology				
Will section titles vary by semester?	No				
Credits:	4				
Schedule Type:	Lecture w/Lab				
Hours of Lecture or Se week:	eminar per	2.5			
Hours of Lab or Studio	per week:	2.75			
Repeatable:	May only be taker *GRADUATE ONLY	n once '*	for credit (NR)		
Default Grade Mode:	Graduate Regular				
Recommended Prerequisite(s):					
Recommended Corequisite(s):					
Required Prerequisite(s) / Corequisite(s) (Updates only):					

GEOL 101, GEOL **103, GEOL** 102, and **GEOL GEOL 302**

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

And/Or	(Course/Test Code	Min Grade/Score	Academic Level)	Concurrency?
	(
	(GEOL 101	С	UG		
Or		GEOL 101	XS	UG)	
And	(GEOL 102	С	UG		
Or		GEOL 102	XS	UG)	

2/16/22, 4:49 PM

GEOL 504: Sedimentary Geology

And/Or	(Course/Test Code	Min Grade/Score	Academic Level)	Concurrency?
And	(GEOL 302	С	UG		
Or		GEOL 302	XS	UG)	
)	

Registration Restrictions (Updates only):

Registrar's Office Use Only - Registration Restrictions:

Field(s) of Study:

Class(es):

Include

Limited to students with a class of Advanced to Candidacy. (SCRRCLS_ONLY_DC)

Limited to students with a class of Graduate. (SCRRCLS_ONLY_GR)

Limited to students with a class of Non Degree (SCRRCLS_ONLY_ND)

Limited to students with a class of Senior Plus (SCRRCLS_ONLY_SP)

Limited to students with a class of Junior Plus (SCRRCLS_ONLY_JP)

Level(s):

Degree(s):

Exclude

Non-Degree Undergraduate Degree students may not enroll. (SCRRDEG_NO_NDU)

School(s):

Catalog

Description:

Introduces sedimentation, sedimentary petrology, facies analysis, and stratigraphy. Notes: May include field trips.

Justification:

What: Adding GEOL 103 to GEOL 101.

Why: The previously 4-credit GEOL 101 has been decoupled into GEOL 101 (3cr), GEOL 103 (1cr).

Does this course cover material which No crosses into another department?

Learning Outcomes:

- Understand how the physical, chemical, and biological characteristics of sedimentary rocks reveal important information about Earth history
- Understand the origin of sedimentary grains and how they are transported by fluids
- Be able to identify sedimentary structures and interpret depositional environments
- Be able to identify both siliciclastic and carbonate rocks in hand sample and thin section
- Understand the concepts of stratigraphy and basin analysis
- Develop proficient skills in geologic field methods

Attach Syllabus

GEOL 304-504_Syllabus.pdf

Additional Attachments

Specialized Course Categories:

Additional Comments:

Reviewer Comments

Key: 16530