

Course Change Request

Date Submitted: 11/05/20 2:06 pm

Viewing: **GEOL 541 : Great Events in Earth History**

Last approved: 05/12/20 4:48 am

Last edit: 11/05/20 2:06 pm

Changes proposed by: muhen

**Catalog Pages
referencing this
course**

[Department of Atmospheric, Oceanic and Earth Sciences
Geology_\(GEOL\)](#)

Select modification type:

Substantial

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. 11/12/20 8:10 am
Jim Kinter (ikinter):
Approved for AOES
Chair

History

1. Dec 4, 2019 by
Geoff Gilleaudeau
(ggilleau)
2. May 12, 2020 by
Tory Sarro (vsarro)

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

No

Effective Term: Fall 2021

Subject Code: GEOL - Geology

Course Number: 541

Bundled Courses:

Is this course replacing another course? No

Equivalent Courses:

Catalog Title: Great Events in Earth History

Banner Title: Great Events in Earth History

Will section titles vary by semester? No

Credits: 3

Schedule Type: Seminar

Hours of Lecture or Seminar per week: 3

Repeatable: May only be taken once for credit (NR)
GRADUATE ONLY

Default Grade Mode: Graduate Regular

Recommended Prerequisite(s):
~~GEOL 101~~

Recommended Corequisite(s):

Required Prerequisite(s) / Corequisite(s) (Updates only):
~~GEOL 102~~

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

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

Level(s):

Degree(s):

Exclude

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

School(s):

Catalog

Description:

Through 4.5 billion years, Earth has undergone tumultuous changes, from the origin of life and atmospheric oxygenation, to mass extinction events and human evolution. In this seminar-style course, each week will involve an in-depth, student-led discussion on one 'Great Event' that helped shape the course of Earth history. The course is also focused on scientific literacy, with emphasis on reading the primary literature and writing/communicating effectively in a scientific setting.

Justification:

We need to remove the prerequisites from this course because as a graduate course, virtually all students taking this course will have taken these courses as undergraduates. Thus, they do not show up in their Mason records, and they are prevented from registering for this course.

Does this course cover material which crosses into another department? Yes

Impacted Departments:

Department
BIOL - Biology
CHEM - Chemistry & Biochemistry

Learning Outcomes:

- Understand the concepts of geologic time and evolution
- Understand how Earth history is read from the rock record
- Be able to summarize the most important events in Earth history
- Be able to read and understand a scientific paper
- Be able to openly discuss scientific concepts and ideas
- Develop proficient scientific writing skills
- Effectively deliver a scientific presentation

Attach Syllabus

[GEOL441-541 syllabus.pdf](#)

Additional Attachments

**Specialized Course
Categories:**

**Additional
Comments:**

**Reviewer
Comments**

Key: 16529