

# Course Change Request

Date Submitted: 09/06/18 2:23 pm

Viewing: **GEOL 792 : Seminar in Earth Systems Science, Geology, & Earth Science**

Last edit: 09/06/18 2:23 pm

Changes proposed by: muhen

Catalog Pages  
referencing this  
course

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

Programs

[SC-MS-ESSC: Earth Systems Science, MS](#)

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. 09/06/18 3:33 pm  
Jim Kinter (ikinter):  
Approved for AOES  
Chair

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

**No**

Requestor:

Effective Term: Spring 2019

Subject Code: GEOL - Geology

Course Number: 792

Bundled Courses:

Equivalent  
Courses:

Catalog Title: Seminar in Earth Systems Science, Geology, & Earth Science

Banner Title: Sem Earth Syst Geol Earth Sci

Language of  
Instruction:

Will section titles  
vary by semester? No

Is this a physical  
activity course? ~~No~~

Credits: 1

Schedule Type: Seminar

Hours of Lecture or Seminar per  
week: 1

Hours of Lab or Studio per week:

Hours of Other Contact Hours per  
week:

Repeatable: May be repeated within degree (RD)

Max Allowable  
Credits: 12

Default Grade  
Mode: **Graduate Regular**  
~~Satisfactory/No Credit~~

Recommended  
Prerequisite(s): 15 Graduate Credits including GEOL 601 or equivalent, or permission of instructor.

Recommended  
Corequisite(s):

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

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):                      Include  
Enrollment limited to students with a level of Non-Degree (SCRRLVL\_ONLY\_ND)  
Limited to graduate level students only. (SCRRLVL\_ONLY\_GR)

Degree(s):                      Exclude  
Non-Degree Undergraduate Degree students may not enroll. (SCRREDEG\_NO\_NDU)

School(s):

Catalog  
Description:                      Capstone experience that includes discussion of scientific articles and attending seminars. Seminars presented by outside experts, faculty, and students.

Justification:                      Students have requested the change from pass/fail to a graded course. Geology faculty have no objections to this change. This will also make this course match the parallel course in GGS, with whom AOES shares the ESS MS degree.

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

Impacted  
Departments:

Learning Outcomes:

Attach Syllabus

Additional  
Attachments

Course Objectives:

Anticipated  
Audience and  
Enrollment:

Offering Frequency:

Relationship to  
Current Offerings  
Within  
Department:

Relationship to  
Current Offerings

Outside

Relationship to  
Programs:

Relationship to  
Existing Programs:

Relationship to  
Existing Courses:

Specialized Course  
Categories:

Select the Mason Core Requirement the course is proposing to fulfill:

Foundation  
Courses:

Exploration  
Courses:

Integration  
Courses:

## Application for RS Designation

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Select the requested Research/Scholarship designation:

### Discovery of Scholarship (RD)

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Select at least one additional SaS learning outcomes which the course meets:

### Scholarly Inquiry (RI)

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Select any additional SaS learning outcomes which the course meets:

### Research Associated (RA)

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Select the RS course which your proposed RA course will be associated with:

### Research/Scholarship Intensive (RS)

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Course must meet at least one of the below methods outcomes:

Select any additional SaS learning outcomes which the course meets:

Describe how the course meets the required student learning outcomes and the selected methods outcome(s):

How will the course be supported by the appropriate subject area librarian?

Attach Curriculum

Please affirm the following:

List Responsible

Faculty Members:

The department has or will have an undergraduate research student learning outcome and will use the data from this course in Academic Program Review.

### Green Leaf Course Designation

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The proposed course is requesting (choose one):

Below, include a brief statement regarding how this course meets either the “sustainability focused” or “sustainably related” criteria.

Sustainability-focused courses provide valuable grounding in the concepts and principles of sustainability. These courses educate students about how different dimensions of sustainability relate to and support each other in theory and practice. In addition, these courses help equip students with the skills to weave together disparate components of sustainability in addressing complex issues.

Sustainability-related courses help build knowledge about a component of sustainability or introduce students to sustainability concepts during part of the course. They may complement sustainability-focused courses by providing students with in-depth knowledge of a particular aspect or dimension of sustainability (such as the natural environment) or by providing a focus area (such as renewable energy) for a student’s sustainability studies, or they may broaden students’ understanding of sustainability from within different disciplines.

Attach Syllabus

### Arts

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Course must meet the first learning outcome:

~~1. Demonstrate an understanding of the relationship between artistic process, and a work’s underlying concept, and where appropriate, contexts associated with the work.~~

Course must meet a minimum of two of the remaining four learning outcomes:

Describe the overall rationale for designating this course as Arts Mason Core.

For each learning outcome, what assignments or activities will you give that allow students to demonstrate their competence on each outcome? Please confirm these are reflected in the attached syllabus or uploaded as additional documents as needed.

### Global Understanding

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Course must address a minimum of three of the following learning outcomes:

Describe the overall rationale for designating this course as Global Understanding Mason Core.

For each learning outcome, what assignments or activities will you give that allow students to demonstrate their competence on each outcome? Please confirm these are reflected in the attached syllabus or uploaded as additional documents as needed.

### Information Technology with Ethics

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Course must meet the following learning outcomes:

Describe the overall rationale for designating this course as Information Technology with Ethics Mason Core.

For each learning outcome, what assignments or activities will you give that allow students to demonstrate their competence on each outcome? Please confirm these are reflected in the attached syllabus or uploaded as additional documents as needed.

### Information Technology

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Course must meet the following learning outcomes:

Course must meet one additional learning outcome:

Describe the overall rationale for designating this course as Information Technology Only Mason Core.

For each learning outcome, what assignments or activities will you give that allow students to demonstrate their competence on each outcome? Please confirm these are reflected in the attached syllabus or uploaded as additional documents as needed.

### Ethics

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Course must meet the following learning outcomes:

Describe the overall rationale for designating this course as Ethics Only Mason Core.

For each learning outcome, what assignments or activities will you give that allow students to demonstrate their competence on each outcome? Please confirm these are reflected in the attached syllabus or uploaded as additional documents as needed.

### Literature

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Course must meet at least three of the learning outcomes:

Describe the overall rationale for designating this course as Literature Mason Core.

For each learning outcome, what assignments or activities will you give that allow students to demonstrate their competence on each outcome? Please confirm these are reflected in the attached syllabus or uploaded as additional documents as needed.

## Natural Sciences with Lab

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Course must meet the following learning outcomes:

Describe the overall rationale for designating this course as Natural Sciences with Lab Mason Core.

For each learning outcome, what assignments or activities will you give that allow students to demonstrate their competence on each outcome? Please confirm these are reflected in the attached syllabus or uploaded as additional documents as needed.

## Natural Sciences Non-Lab

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Courses must meet the following learning outcomes:

Describe the overall rationale for designating this course as Natural Sciences Non-Lab Mason Core.

For each learning outcome, what assignments or activities will you give that allow students to demonstrate their competence on each outcome? Please confirm these are reflected in the attached syllabus or uploaded as additional documents as needed.

## Oral Communication

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Course must address all of the following learning outcomes:

Describe the overall rationale for designating this course as Oral Communication Mason Core.

For each learning outcome, what assignments or activities will you give that allow students to demonstrate their competence on each outcome? Please confirm these are reflected in the attached syllabus or uploaded as additional documents as needed.

## Quantitative Reasoning

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Course must address all of the following learning outcomes:

Describe the overall rationale for designating this course as Quantitative Reasoning Mason Core.

For each learning outcome, what assignments or activities will you give that allow students to demonstrate their competence on each outcome? Please confirm these are reflected in the attached syllabus or uploaded as additional documents as needed.

## Social and Behavioral Sciences

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Course must meet all three learning outcomes:

Describe the overall rationale for designating this course as Social and Behavioral Sciences Mason Core.

For each learning outcome, what assignments or activities will you give that allow students to demonstrate their competence on each outcome? Please confirm these are reflected in the attached syllabus or uploaded as additional documents as needed.

## Capstone

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Explain how the course meets the expectations that the capstone experience consolidates the knowledge and understanding gained in the student's major, degree, and Mason Core Courses.

## Synthesis

Course must meet learning outcomes 1 and 2:

Course must meet one additional learning outcome:

Describe the overall rationale for designating this course as Synthesis Mason Core.

For each learning outcome, what assignments or activities will you give that allow students to demonstrate their competence on each outcome? Please confirm these are reflected in the attached syllabus or uploaded as additional documents as needed.

## Western Civilization/World History

Course must meet at least three of the following learning outcomes:

Describe the overall rationale for designating this course as Western Civilization/World History Mason Core.

For each learning outcome, what assignments or activities will you give that allow students to demonstrate their competence on each outcome? Please confirm these are reflected in the attached syllabus or uploaded as additional documents as needed.

Additional  
Comments:

Reviewer  
Comments