Course Change Request

A deleted record may not be edited and the course number may not be re-used until 5 years have passed since the course's inactivation.

Course Deactivation Proposal

Date Submitted: 10/01/25 10:48 am

Viewing: GEOL 458 : Chemical Oceanography

Last approved: 12/21/18 4:26 am

Last edit: 10/30/25 2:20 pm

Changes proposed by: ggilleau

Catalog Pages referencing this course	Chemistry (CHEM) Department of Atmospheric, Oceanic and Earth Sciences Department of Chemistry and Biochemistry Environmental Science, BS Geology (GEOL)

Justification for deactivation	AOES now has other undergraduate courses which cover much of the same material: GEOL 364 Marine Geology and GEOL 403 Geochemistry. We have not run GEOL 458 for several years and do not feel it is needed anymore.

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

~~No~~

Effective Term: Spring 2026

Subject Code: GEOL - Geology **Course Number:** 458

Bundled Courses:

In Workflow

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

Approval Path

1. 10/30/25 2:26 pm Barry Klinger (bklinger): Approved for AOES - Curriculum Committee
2. 11/05/25 4:32 pm Mark Uhen (muhen): Approved for AOES Chair

Is this course replacing another course? No

Equivalent Courses: CHEM 458 - Chemical Oceanography

Catalog Title: Chemical Oceanography

Banner Title: Chemical Oceanography

Will section titles vary by semester? No

Credits: 3

Schedule Type: Lecture

Hours of Lecture or Seminar per week: 3

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

Max Allowable Credits: 9

Default Grade Mode: Undergraduate Regular

Recommended Prerequisite(s): CHEM 211 and CHEM 212, and CHEM 321 or GEOL 302.

Recommended Corequisite(s):

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

History

1. Aug 30, 2017 by pchampan
2. Dec 21, 2018 by Gregory Craft (gcraft)

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: The world's oceans, including a variety of closed basins and estuaries, comprise a complex and dynamic system of chemical processes that interact with biological, geological, physical, and atmospheric processes to play a significant role in defining the earth's fragile environment. This course will present an overview of the origin, occurrence, and distribution of the chemical components in sea water and an introduction to the basic principals of the chemical processes taking place in the marine environment. Designated a Green Leaf Course.

Justification:

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

Learning Outcomes:

Will this course be scheduled as a cross-level cross listed section?

Attach Syllabus

Additional Attachments

Specialized Course Categories: Green Leaf

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.

Writing Intensive:

Have you reached out to the Libraries to determine whether there are adequate resources to support your course? If not, please email Meg Meiman, Associate University Librarian for Learning, Research, and Engagement at mmeiman2@gmu.edu.

Additional Comments: ~~N3 Update~~

Reviewer Comments

Key: 7249