Course Change Request

Date Submitted: 09/10/25 6:49 pm

Viewing: GGS 379 : Remote Sensing

Last approved: 01/31/19 4:25 am

Last edit: 09/10/25 6:49 pm

Changes proposed by: nburtch

Catalog Pages referencing this course

Applied Computer Science, BS
Atmospheric Sciences, BS
Department of Geography and Geoinformation Science
Geographic Information Systems Minor
Geography and Geoinformation Science (GGS)

Select modification type:
Substantial

Are you completing this form on someone else's behalf?
No

Effective Term: Spring 2026

Subject Code: GGS - Geography & Geoinformation Science **Course Number:** 379

Bundled Courses:

Is this course replacing another course? No

Equivalent Courses:

Catalog Title: Remote Sensing

In Workflow

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

Approval Path

1. 09/10/25 6:52 pm Nathan Burtch (nburtch): Approved for GGS Chair

History

1. Feb 21, 2018 by Dieter Pfoser (dpfoser)
2. Jan 31, 2019 by Dieter Pfoser (dpfoser)

Banner Title: Remote Sensing

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): 30 credits

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):

Degree(s):

School(s):

Catalog Description: Foundations of remote sensing, and of processing, analyzing, and using remotely sensed data for monitoring the earth. Introduces key concepts in electromagnetic radiation, passive (panchromatic, multi-, and hyper-spectral) and active (microwave and Lidar) sensor systems, and methods for information extraction, including image interpretation and analysis, measurement and rectification, classification, and digital image processing.

Justification: What: updated prereqs

Why: The new language will conform to the way we recommend prereqs for most of our 300-level courses (recommend a sophomore standing minimum)

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 ~~Syllabus_GGS379.pdf~~

Additional Attachments

Specialized Course Categories:

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:

Reviewer Comments

Key: 15797