Course Change Request

Date Submitted: 11/16/21 12:24 pm

Viewing: GGS 426 : Physical Fundamentals of Remote Sensing

Last approved: 01/28/21 5:00 am

Last edit: 04/01/22 9:03 am

Changes proposed by: nburtch

Catalog Pages referencing this course

Department of Geography and Geoinformation Science

Geography and Geoinformation Science (GGS)

Select modification type:

Substantial

In Workflow

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

Approval Path

1. 03/03/22 12:44 pm Nathan Burtch (nburtch): Approved for GGS Chair

History

1. Jan 28, 2021 by Nathan Burtch (nburtch)

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

No

Effective Term: Fall 2022

Subject Code: GGS - Geography & Geoinformation Science **Course Number:** 426

Bundled Courses:

Is this course replacing another course? No

Equivalent Courses:

Catalog Title: Physical Fundamentals of Remote Sensing

Banner Title: Phys Fndmntls 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):

Recommended Corequisite(s):

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

GGS 379 **or GGS 416**

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:

An introduction to fundamental physical principles of remote sensing as applied to Earth science. Focus on the physical and mathematical principles underlying satellite remote sensing techniques. Topics include radiometric information, satellite orbits, atmospheric corrections, data records, and in situ measurements. Current and planned satellite instruments, particularly those operated by NASA, NOAA, and USGS, are utilized.

Justification:

What: Updating the prerequisites.

Why: Updating prerequisites to match those of GGS 429, as both are intended as intermediate level remote sensing courses.

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

Learning Outcomes:

Attach Syllabus

RS_phys_fund_proposal.pdf

Additional Attachments

Specialized Course Categories:

Additional Comments:

Reviewer Comments

Key: 16651