

Course Change Request

Date Submitted: 08/31/20 11:55 am

Viewing: **GGG 354 : Data Analysis and Global Change Detection Techniques**

Last approved: 12/20/18 4:27 am

Last edit: 08/31/20 11:55 am

Changes proposed by: nburtch

**Programs
referencing this
course**

[SC-BA-GEOG: Geography, BA](#)

[SC-BS-GEOG: Geography, BS](#)

Select modification type:

Simple

Substantial

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

No

Effective Term: Fall 2021

Subject Code: GGS - Geography & Geoinformation Science **Course Number:** 354

Bundled Courses:

Is this course replacing another course? No

Equivalent Courses:

Catalog Title: Data Analysis and Global Change Detection Techniques

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. 10/08/20 3:11 pm
Nathan Burtch
(nburtch): Approved for GGS Chair

History

1. Dec 20, 2018 by
Nathan Burtch
(nburtch)

Banner Title: Data Analy/Glbl Chg Detec Tech

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):
IT 104, ~~103~~, STAT 250, 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):

Degree(s):

School(s):

Catalog**Description:**

Introduces basic time series methods, especially those used in detecting trends and randomness in time series data. Various data related to global changes on different temporal and spatial scales will be identified, and the relevant analysis methods will be used to those data so that students can detect or confirm changing trends or lack of them in data. Other topics such as data formats, data visualization, and data mining may also be included based on the background of the student body.

Justification:

Updating prerequisites; IT 103 no longer exists.

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

Learning Outcomes:**Attach Syllabus****Additional Attachments**

Specialized Course Categories:

Additional Comments:

~~N3~~-update

Reviewer Comments

Key: 7409