

GEOG 163: APPLIED GIS

In Workflow

1. GEOG Chair (jwanket@csus.edu)
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3. NSM Dean (datwyler@csus.edu)
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8. Catalog Editor (catalog@csus.edu)
9. Registrar's Office (wlindsey@csus.edu)
10. PeopleSoft (PeopleSoft@csus.edu)

Approval Path

1. Mon, 14 Mar 2022 20:37:15 GMT
James Wanket (jwanket): Approved for GEOG Chair
2. Wed, 16 Mar 2022 22:28:11 GMT
Mikkel Jensen (mikkel.jensen): Approved for NSM College Committee Chair
3. Wed, 16 Mar 2022 22:33:13 GMT
Shannon Datwyler (datwyler): Approved for NSM Dean

Date Submitted: Mon, 14 Mar 2022 20:35:14 GMT

Viewing: GEOG 163 : Applied GIS

Last edit: Wed, 16 Mar 2022 22:27:46 GMT

Changes proposed by: Patrick Oberle (223005536)

Contact(s):

Name (First Last)	Email	Phone 999-999-9999
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Catalog Title:

Applied GIS

Class Schedule Title:

Applied GIS

Academic Group: (College)

NSM - Natural Sciences & Mathematics

Academic Organization: (Department)

Geography

Will this course be offered through the College of Continuing Education (CCE)?

No

Catalog Year Effective:

Fall 2022 (2022/2023 Catalog)

Subject Area: (prefix)

GEOG - Geography

Catalog Number: (course number)

163

Course ID: (For administrative use only.)

134796

Units:

3

Is the primary purpose of this change to update the term typically offered or the enforcement of requisites at registration?

No

In what term(s) will this course typically be offered?

Fall term only

Does this course require a room for its final exam?

Yes, final exam requires a room

Does this course replace an existing experimental course?

No

This course complies with the credit hour policy:

Yes

Justification for course proposal:

This updates aligns this course with changes to the Geography major, specifically the concentration in Geographic Information Science. Updates to course learning outcomes and the description also better align with recent teaching practices in this course.

Course Description: (Not to exceed 80 words and language should conform to catalog copy.)

GIS-based research methods and project management. Development of project proposals, data collection plans, and other research techniques in a group and/or individual setting. Readings and lab exercises build on previous GIS skills. Lecture 2 hours; Laboratory 3 hours.

Are one or more field trips required with this course?

No

Fee Course?

No

Is this course designated as Service Learning?

No

Does this course require safety training?

No

Does this course require personal protective equipment (PPE)?

No

Does this course have prerequisites?

Yes

Prerequisite:

GEOG 109.

Prerequisites Enforced at Registration?

Yes

Does this course have corequisites?

No

Graded:

Letter

Approval required for enrollment?

No Approval Required

Course Component(s) and Classification(s):

Discussion
Laboratory

Discussion Classification

CS#04 - Lecture /Recitation (K-factor=1 WTU per unit)

Discussion Units

2

Laboratory Classification

CS#16 - Science Laboratory (K-factor=2 WTU per unit)

Laboratory Units

1

Is this a paired course?

No

Is this course crosslisted?

No

Can this course be repeated for credit?

No

Can the course be taken for credit more than once during the same term?

No

Description of the Expected Learning Outcomes: Describe outcomes using the following format: "Students will be able to: 1), 2), etc."

LO1: Develop a full-cycle GIS approach to research or project-based topics

LO2: Apply GIS techniques to answer geospatial questions and develop solutions

LO3: Identify, define, and apply key research or project management terms and methods

LO4: Perform analyses with geospatial data and effectively communicate results

Attach a list of the required/recommended course readings and activities:

schedule_082421.docx

syllabus_081621.docx

Assessment Strategies: A description of the assessment strategies (e.g., portfolios, examinations, performances, pre-and post-tests, conferences with students, student papers) which will be used by the instructor to determine the extent to which students have achieved the learning outcomes noted above.

Lab exercises: LO2 and LO3

Written project proposal: LO1, 2, 3

Reading discussion questions and assignments: LO3

Final project and presentation: LO1, 2, 3, 4

Is this course required in a degree program (major, minor, graduate degree, certificate?)

No

Does the proposed change or addition cause a significant increase in the use of College or University resources (lab room, computer)?

No

Will there be any departments affected by this proposed course?

No

I/we as the author(s) of this course proposal agree to provide a new or updated accessibility checklist to the Dean's office prior to the semester when this course is taught utilizing the changes proposed here.

I/we agree

University Learning Goals**Undergraduate Learning Goals:**

Competence in the disciplines

Intellectual and practical skills

Is this course required as part of a teaching credential program, a single subject, or multiple subject waiver program (e.g., Liberal Studies, Biology) or other school personnel preparation program (e.g., School of Nursing)?

No

GE Course and GE Goal(s)

Is this a General Education (GE) course or is it being considered for GE?

No

Key: 2329