Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: WAFE

Submitter

First Name: Jeff
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Course Prefix and Number: GIS - 101

 # Credits: 2

Contact hours

Lecture (# of hours):
Lec/lab (# of hours): 44
Lab (# of hours):
Total course hours: 44

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Introduction to Maps and Geospatial Concepts

Course Description:

Introduces principles and concepts needed to understand the use and interpretation of maps, geospatial technologies and geographic information systems software. Includes: scale, reference systems, coordinate systems, map projections, types of maps, role of maps in society and culture, data visualization, global positioning systems, remote sensing, digital landscapes, and map interpretation.

Type of Course: Career Technical Preparatory

Reason for the new course:

Lack of introductory course in the GIS program.

Is this class challengeable?

No

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

Yes

Name of degree(s) and/or certificate(s): GIS Technology Certificate

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

No

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

Yes

Have you talked with a librarian regarding that impact?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit: No

When do you plan to offer this course?

✓ **Not every term**

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. Examine maps as communication tools, cultural artifacts, and models of the Earth.
2. Apply underlying map concepts to geographic information systems (GIS) and other geospatial technologies.
3. Read and interpret a wide range of maps.
4. Proficiently use mapping and geospatial technology terminology.
5. Use maps to examine cultural and environmental issues.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Types of Maps
2. Cartographic Representations
3. Coordinate Systems
4. Map Projections
5. Quantitative & Qualitative Data
6. Map Reading & Design
7. Map interpretation
8. Map Elements

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**
2. Produce renewable energy	**No**
3. Prevent environmental degradation	**No**
4. Clean up natural environment	**No**
5. Supports green services	**No**

Percent of course: 0%

First term to be offered:

Next available term after approval
: