



Napa Valley College Geographic Information Systems (GIS)
Advisory Committee Meeting
Nov 10, 2022
4:30pm-5:30pm

Minutes

Present: Jake Armstrong, Scott Butterfield, Will Chesher, Sean Christian, Chris Farmer, Matt Lamborn, Doug Marriot, Warren Roberts, Summer Roberts, Cari Roughley, Gary Strommen, Bob Van Der Velde, Katy Wallis.

1. Welcome

2. Adoption of Agenda

M/S/P to adopt agenda.

3. Introductions

Introductions held promptly at the start of the meeting.

4. Public Comment

No public comments

5. Curriculum

Cari gave an explanation for developing the first four GIS courses and reviewed the sequence. Committee members had been given CORs in advance. It was clarified that the courses are 3 units each and would be submitted through curriculum to be offered as 18 week or 8 week courses to accommodate scheduling and demand in each semester. The first four courses will be the first certificate offered, and additional courses and certificates, or stackable certificates, may be developed if there is need.

The Committee members shared recommendations and comments regarding the proposed courses and future certificate offerings:

- Future training in Autocad and geostatistics for GIS students. Align disciplines with the GIS certificate. Include GIS as electives in an existing degree/program, such as Business or Viticulture.
- Develop stackable certificates, focused certificates (survey, public works, etc), larger-unit certificates, or degree offerings such as an Associates Degree in GIS. Napa City public works department uses GIS very heavily, water, side-walk improvement, urban planners, park and bike access, sidewalk maintenance in GIS. Development of additional specialization tracks were recommended, such as government track, agriculture track, environmental track, internships, and community programs.
- Move towards using geospatial rather than GIS. Include online GIS, QGIS, and introduce data management in GEOG 120.
- Create apps for mobile apps to collect data in the field and put on a dashboard. Enterprise and Fieldmaps app, CAD data in viticulture.
- Look at ways for giving work experience credit. Support Strong Workforce funding.
- Outreach to high schools, offer dual-enrollment and internships.

- Open-source GIS for non-profit industries. Include reference and exposure to simple programming and coding.

The Committee fully supports the development of these four courses as the first GIS Certificate offering.

6. Drafts of New Courses and Certificate Program

(Reviewed and discussed during Curriculum section above)

- GEOG 120 Introduction to GIS (Hybrid or Online)
- GEOG 121 Intermediate GIS (Hybrid or Online)
- GEOG 230 Introduction to Data Acquisition and Management in GIS (Hybrid or Online)
- GEOG 231 Remote Sensing (Hybrid or Online)
- Students can earn Certificate of Achievement (12 units) by Spring 2024.

Certificate Sequence:

Fall 2023	First 8 weeks GEOG 120 Introduction to GIS Second 8 weeks GEOG 121 Intermediate GIS
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Spring 2024	First 8 weeks GEOG 230 Data Acquisition and Management Second 8 weeks GEOG 231 Remote Sensing
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- Future course recommendations; stackable certificates
(Discussed during Curriculum section above)
- Professional/Industry certifications
No discussion

7. Equipment Purchases (up to \$40,000)

Through discussion, the Committee recommended the top five necessary items to purchase to get the program started:

- 1) Phantom IV multispectral drone
- 2) Arrow GPS units capability
- 3) Plotter/printer and paper (good at student level)
- 4) tablet, mobile GIS and data collection tool
- 5) iPads

It was recommended to work with IT to allow students to log in remotely to access ArcGIS Pro software.

8. Internships

Local committee members are interested in developing internships. Recommendations were made for internship collaboration: Winejobs.com, e&j Gallow research facility (Modesto), Jackson Family, Sebastopol fire department, Jenner Headlands trail development.

9. Other

Committee members are interested in meeting informally more than once per semester, in addition to the required Advisory Committee meeting.

It was recommended to connect with Cal URISA and NorthBay Geo (meets monthly).

10. Adjourn

Meeting adjourned