

GEOG 9004: Managing a GIS Project

Instructor

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Course Description

Considered the culminating course in the GIS Certificate program, *Managing a GIS Project* is designed for new or experienced project managers who may be new to supervising GIS projects. Topics covered include defining the scope of a GIS project, data acquisition, project planning, project budget estimation, and team coordination.

Part lecture and part hands-on, this class will prepare you to manage a project with GIS at its core. Lectures will convey strategies, skills, and best practices for completing GIS projects efficiently and effectively. The hands-on portion is a group exercise where teams will turn a societal problem or opportunity into a GIS project and complete it. Students will form groups of 3-4 people, agree on a problem or opportunity and, assisted by the instructor, do the following:

- Scope the project using a form the instructor will provide
- Set up project management infrastructure (collaboration software, shared workspace and documents)
- Acquire/download data
- Perform GIS analyses and document steps
- Submit five deliverables
- Give a short presentation of the products/findings

Objectives

As a result of this course, you will be able to take a broad idea from the conceptual stage all the way through to completion and implementation in collaboration with teammates.

Format

Online (via Zoom) and synchronous. Two sequential days (Friday-Saturday).

Prerequisites:

- GEOG 9003, *Introduction to Geographic Information Systems*

Disability Access

Students with disabilities who need reasonable accommodations are encouraged to contact the instructor. The Disability Programs and Resource Center (DPRC) is available to facilitate the reasonable accommodations process. The DPRC is located in the Student Service Building and can be reached by telephone (voice/415-338-2472, video phone/415-335-7210) or by email (dprc@sfsu.edu).

Student disclosures of sexual violence

SF State fosters a campus free of sexual violence including sexual harassment, domestic violence, dating violence, stalking, and/or any form of sex or gender discrimination. If you disclose a personal experience as an SF State student, the course instructor is required to notify the Title IX Coordinator by completing the report form available at <http://titleix.sfsu.edu>, emailing vpasem@sfsu.edu or calling 415-338-2032.

To disclose any such violence confidentially, contact:

- The SAFE Place - (415) 338-2208; http://www.sfsu.edu/~safe_plc/
- Counseling and Psychological Services Center: (415) 338-2208; <http://psyservs.sfsu.edu/>
- For more information on your rights and available resources: <http://titleix.sfsu.edu>