

BI690 Special Project

Finakpo' Session C 2024

Lecture Location: Remote

Meeting time: Mondays/Wednesdays 1400-1530, July 1 - August 3 2024

Instructor: Atsushi Fujimura

Office: Marine Lab Rm 105

Office Hours: During meeting hours, walk in (for short questions), or by appointment

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Overview

1-credit special project for student to practice advanced GIS skill sets, problem solving tools, and map making skills.

Catalog course description

BI690 (1) - Students enrolling for 590 or 690 course credits must complete "Special Project" course forms available from the Professional & International Programs Office. Students must take the form to the faculty member offering the course. The faculty member will assist in completing the form and sign the form. After obtaining the other required signatures, the formal registration and payment of required fees for these courses shall take place. If the course is to be used for graduation requirements, grades must be submitted by the instructor on the required deadline. In addition, the required contact hours must also be met between the student and the instructor for academic credit. No more than nine credit hours of 590 and 690 course work can be accumulated toward graduate degree requirements. All other rules and regulations apply.

Students who have been accepted to graduate status may register for Special Project and Internship Courses through the ninth week of a regular semester or the third week of a finakpo' (June–Aug.) term. Graduate students must register for all other courses during regularly scheduled registration periods or drop/add periods.

Course Format

Student autonomously completes assigned labs and midterm. Meeting times (15 hrs) are utilized to discuss learning objectives, practice ArcGIS tools, answer questions. Student will orally present their Midterm data and maps.

Texts and Required Reading

Laboratory and Midterm instructions describe where to find public access, downloadable ArcMap Shapefiles and data sets. Lab and Midterm instructions provide basic direction, and internet sources of information may also be utilized.

Course Learning Outcomes

Students will Learn:

- Advanced GIS skill sets
- GIS problem solving utilizing Guam local, public access data, and realistic local land use issues
- ArcMap map making skill sets

Course Schedule

Instructions for 8 Labs and 1 Midterm will be provided to student at the beginning of summer session C. Student will autonomously complete assignments, with meeting time attended to discuss learning outcomes, practice ArcGIS skills, and answer questions. Student will orally present their Midterm data and maps prior to end of session.

Institutional Graduate Learning Outcomes (IGLO)

- 1) Demonstrate mastery of critical skills, theories, methodologies, and other content knowledge at a level that will enable them to address fundamental questions in their primary area of study
- 2) Plan, conduct, and complete a significant research or creative project
- 3) Exercise oral and written communication skills sufficient to publish and present work in their field
- 4) Adhere to the ethical principles of academia and their respective disciplines in coursework, fieldwork, and other appropriate situations
- 5) Exemplify, through service, the value of their discipline to the academic and the community at large, interacting productively and professionally with people from diverse backgrounds

BI/EV Program Learning Outcomes (PLO)

- 1) Demonstrate ability to analyze data and design experiments using standard statistical procedures
- 2) Demonstrate ability to write technical scientific reports and articles
- 3) Demonstrate knowledge of basic geosciences and engineering principles
- 4) Demonstrate knowledge of environmental impact assessment
- 5) Demonstrate the ability to disseminate scientific concepts and research findings in a variety formats

| Student Learning Outcomes (SLO) | Program Learning Outcomes (PLO) | Institutional Learning Outcomes (IGLO) | Assessment Methods |
|---|---------------------------------|--|---|
| 1) Gain advanced ArcGIS problem solving skillsets | PLO 1, 2, 3, 4, 5 | IGLO 1, 2, 3, 4, 5 | Labs, lab write ups, midterm presentation |
| 2) Enhance ArcGIS map making skills | PLO 1, 2, 3, 4, 5 | IGLO 1, 2, 3, 4, 5 | Labs, midterm presentation |
| 3) Practice locating, downloading, and working with public access, local GIS datasets | PLO 1, 2, 3, 4, 5 | IGLO 1, 2, 3, 4, 5 | Labs, lab write ups, midterm presentation |

Withdrawal Policy

A student wishing to withdraw from the class should elect to withdraw before the university's voluntary withdrawal deadline (as shown in the course calendar). After the deadline, approval of class withdrawal may only be given at the discretion of the instructor.

Americans with Disabilities Act Amendments Act (ADAAA) Accommodation Services

For individuals covered under the ADA (Americans with Disabilities Act), if you are a student with a disability requiring academic accommodation(s), please contact the Student Counseling and Advising Service Accommodations Office to discuss your confidential request. Please provide an accommodation letter from the Disability Support Services/Student Counseling and Advising Service Accommodation counselor. To register for academic accommodations, please contact or visit the School of Education, Room #110, disabilitysupport@triton.uog.edu or telephone/(TTY) 671-735-2460.

Academic Dishonesty

Professional and ethical conduct is expected at all times. Unethical conduct includes any form of cheating, including plagiarism. The term "cheating" includes, but is not limited to: (1) use of any unauthorized assistance in taking quizzes, tests, or examinations, e.g., looking at other students' answers, using crib notes (including electronic), getting information from another person via any kind of communication; (2) dependence upon the aid of sources beyond those authorized by the instructor in writing papers, preparing reports, solving problems, or carrying out other assignments; or (3) the acquisition, without permission, of tests or other academic material belonging to a member of the University faculty or staff. If you need to use an electronic translator, you must discuss this with me in advance. All assignments and tests must be your own work. Answers you write on the tests must come only from in your head or the information supplied in the test papers; anything else is cheating. Any evidence of cheating will result in a "0" for that assignments and/or exam or possibly an "F" for the entire course – final decision to be determined by me, the course instructor.

Tobacco-Free/Smoke-Free Campus

UOG is a tobacco-free campus. Thank you for not using tobacco products on campus, and for helping make UOG a healthy learning and living environment. For more information visit: <http://www.uog.edu/smoke-free-uog>

Family Educational Rights and Privacy Act (FERPA)

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. These rights for students, parents and school officials can be viewed at: <http://www2.ed.gov/policy/gen/guid/fpco/ferpa/index.html>

