

NRM F435 GIS Analysis
Course information and Syllabus
Spring 2022 4 credits CRN: 36430 and 34975

General Information:

Time: Lecture: TR 9:45 – 11:15 am
Lab: T 2 – 5 pm (F001; F002);

Place: WRRB 004 or Zoom

Instructor: Santosh Panda, Dept. of Natural Resources and Environment
Ph: 474-7539; skpanda@alaska.edu
Office: O’Neill Building Room 368
(office hours: TR: 11:15 am – 12:00 pm /by appointment)

Teaching Asst.: Sumana Sahoo (Email: ssahoo2@alaska.edu)
Office: Zoom or O’Neill 359 (Office hours: Thu. 2 – 3 pm)

Course type: Combined Lecture/Lab (In person/ Synchronously online)

Course Description

- Use GIS analysis to solve real-world problem in the field of natural resources, geography, biology, and geology
- Develop a workflow that builds on the concept of the GIS analysis to move from raw data to a quantitative representation of information in map format
- Communicate GIS results through maps and graphs (including ArcGIS Story Maps and Dashboards)

Evaluation:

12 Assignments:	12 x 20 points
12 Labs:	12 x 20 points
Contribution to course wiki:	40 points
Final exam:	60 points
Minimum 80% attendance in lecture and labs: 5 % (Bonus)	

Grading criteria:

- A (A+: > 94%, A-: > 90%)
- B (B+: > 80%, B-: > 70%)
- C (C+: > 60%, C-: > 50%)
- D (D+: > 45%, D-: > 40%)

Course Policies:

Attendance: All students are expected to attend and participate in all classes.

Participation and Preparation: Students are expected to come to class with assigned reading and other assignments completed as noted in the syllabus.

Late assignments/labs will be accepted with a 5% penalty per day late (if not approved in advance by the instructor).

Special Needs: Every qualified student is welcome in my classroom. As needed, I am happy to work with you, disability services, veterans' services, rural student services, etc to find reasonable accommodations. Students with learning or other disabilities who may need classroom accommodations are encouraged to visit the Disabilities website at <https://uaf.edu/disabilityservices/> and make an appointment with the Office of Disability Services (474-5655). Please meet with the instructor so that the appropriate accommodations and supports to assist in meeting the goals of the course can be made in collaboration with the Office of Disability Services.

UAF Honor Code: As a UAF student, you are subject to the student Code of Conduct. The university assumes that the integrity of each student and of the student body as a whole will be

informed of certain types of misconduct, then I am required to report it to the appropriate authorities.

If you believe you are experiencing discrimination or any form of harassment including sexual harassment/misconduct/assault, you are encouraged to report that behavior. If you are a faculty member or any university employee, they must notify the UAF Title IX Coordinator about the basic facts of the incident. Your choices for reporting include:

1. You may access confidential counseling by contacting the Student Health & Counseling Center at 474-7043; <https://uaf.edu/chc/>
2. You may access support and file a Title IX report by contacting the UAF Title IX Coordinator at 474-7300; <https://uaf.edu/titleix/contact.php>
3. You may file a criminal complaint by contacting the University Police Department at 474-7721.

University of Alaska is an AA/EO employer and educational institution and prohibits illegal discrimination against any individual: alaska.edu/nondiscrimination.

Effective communication: Students who have difficulties with oral presentations and/or writing are strongly encouraged to get help from the UAF Department of Communication's Speaking Center (907-474-5470, speak@uaf.edu) and the UAF English's Department's Writing Center (907-474-5314, Gruening 8th floor).

COVID-19: Students should keep up-to-date on the university's policies, practices, and mandates related to COVID-19 by regularly checking this website: <https://sites.google.com/alaska.edu/coronavirus/uaf/uaf-students>. Further, students are expected to adhere to the universit

For more information and resources, please see the Academic Advising Resource List (https://www.uaf.edu/advising/lr/SKM_364e19011717281.pdf)

Student Resources:

Disability Services (907-474-5655, uaf-disability-services@alaska.edu, Whitaker 208)
Student Health & Counseling [**6 free counseling sessions**] (907-474-7043, <https://www.uaf.edu/chc/appointments.php>)

For further information on your rights and resources [click here](#).