

NRM F338 Introduction to Geographic Information Systems
Fall 2024, 3 credits, CRN: 73453 (702), 72498 (001)

Time: Lecture Zoom:

Communicate results through maps, graphs, and ArcGIS StoryMap

Evaluation: Grades are based on the points (and point percentage) that are attributed as follows:

12 weekly lab completion, 20 points each (due Fridays; 5% bonus for on time submission)
10 weekly assignments, 10-20 points each (due Saturdays; 5% bonus for on time submission)
One midterm exam, 30 points
One final exam, 60 points
80% attendance in lectures (2% on your final semester score)

Grading criteria:

A (A+: > 94%, A-: > 90%)

B (B+: > 80%, B-: > 70%)

C (C+: > 60%, C-: > 50%)

D (D+: > 45%, D-: > 40%)

F (< 40%)

Course Policies:

Attendance: All students in synchronous sections are expected to attend and participate in all lectures and labs. At the end of the semester students with 80% or more attendance in lectures will get a bonus 2% on your final semester percentage.

Participation and Preparation: Students are expected to come to class with assigned reading and other assignments completed.

Late submission of labs and assignments will be graded with a 5% penalty per day late.

Special Needs: Every qualified student is welcome in my classroom. As needed, I will work with you, disability services, veterans' services, rural student services to find reasonable accommodations in my class. 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 support 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 upheld. It is your responsibility to help maintain the integrity of the student community. For additional information, contact the Center for Student Rights and Responsibilities or web <https://uaf.edu/csrr/>. The UAF Honor Code (Student Code of Conduct) defines academic standards expected at the University of Alaska Fairbanks.

Title IX Information

Center for Student Rights and Responsibilities (907-474-7317, uaf-studentrights@alaska.edu, Eielson 110)

Associated Students of the University of Alaska Fairbanks (ASUAF) or ASUAF Student Government (907-474-7355, asuaf.office@alaska.edu, Wood Center 119)

Nondiscrimination statement: The University of Alaska is an affirmative action/equal opportunity employer and educational institution. The University of Alaska does not discriminate on the basis of race,

	Assignment 2: ArcGIS Pro Lingo and tools
Week 4: 9/16 - 9/18	Projected Coordinate Systems (UTM, Alaska Albers, and Alaska State Plane) Lab 3: GIS Coordinate Systems and Map Projections Assignment 3: Distance measurement errors in projected coordinate systems
Week 5: 9/23 - 9/25	GIS data file formats and GIS web services Lab 4: Working with various GIS files and data formats Assignment 4: Geoprocessing tools
Week 6: 9/30 - 10/2	Creating and editing vector GIS data Lab 5: Spatial analysis using attribute data Assignment 5: Open source GIS data sites
Week 7: 10/7 - 10/9	Geoprocessing tools for spatial analysis Lab 6: Creating and editing feature data Assignment 6: Polygon analysis
Week 8: 10/14 - 10/16	Map layouts Lab 7: Working with different map layouts No Assignment; Mid-term (10/16/24)

