Title: Applied GIS Applications in Natural (Water Resources)
Instructor: Katherine
Office: TNR 244
Virtual Office Hours: Monday 2-3, Wednesday 10-11

Book an appointment:
https://outlook.office365.com/owa/calendar/DrKatherineClancy@uwspedu.onmicrosoft.com/bookings/

Office Telephone: 7153463429
E-mail: kclancy@uwsp.edu

Expectations: Understand basics of how to use a spreadsheet (i.e. excel) and college algebra

Objectives: After completing the reading assignments and laboratories in this course you should be able to do the following:

1. Make a professional map in the correct projection
2. Edit raster and vector data
3. Obtain and interpret spatial water resource data
4. Describe how spatial data are used in natural resources
5. Develop spatial models

Textbook: There is no textbook for this course

SCHEDULE

The weeks have companion dates in the canvas calendar. Please check canvas for more details.

Week	Lecture Topic	Lab
1	How to Start/Orientation	no lab
2	Maps as Narrative	Map Making
3	Data Types	Making Maps with Rasters
4	Shapefiles and Databases	Making Maps with Shapefiles
5	Wildlife Applications of GIS	Wildlife Applied Project
6	Water Applications of GIS	Watershed Delineation
7	Soil Applications of GIS	Advanced Raster
8	Review for Exam	Review for Exam
9	Practicum/ no synchronous lecture	Practicum Exam (you have 2 weeks)/no lab
10	TBA	Practicum Exam (you have 2 weeks)/no lab
11	Model Builder	Practice Model
12	Weighted Overlay Introduction	Weighted Overlay Part 1
13	no synchronous lecture (Thanksgiving)	no lab or no synchronous lecture
14	Weighted Overlay presentations	Weighted Overlay Part 2
15	Model Comparisons to Observed	Proximity Comparison

Final Exam December 14-15 (practicum and online)

POLICIES AND OTHER CONSIDERATIONS

I. UWSP Community Bill of Rights and Responsibilities

UWSP values a safe, honest, respectful, and inviting learning environment. In order to ensure that each student has the opportunity to succeed, a set of expectations have been developed for all students and instructors. This set of expectations is known as the Rights and Responsibilities document, and it is intended to help establish a positive living and learning environment at UWSP. For more information go to:
http://www.uwsp.edu/stuaffairs/Pages/rightsandresponsibilites.aspx.

The Rights and Responsibilities document also includes the policies regarding academic misconduct, which can be found in Chapter 14. A direct link can be found here:
http://www.uwsp.edu/stuaffairs/Documents/RightsRespons/SRR-2010/rightsChap14.pdf.

II. Americans with Disabilities Act

The Americans with Disabilities Act (ADA) is a federal law requiring educational institutions to provide reasonable accommodations for students with disabilities. For more information about UWSP's policies, check here:
http://www.uwsp.edu/stuaffairs/Documents/RightsRespons/ADA/rightsADAPolicyinfo.pdf.

If you have a disability and require classroom and/or exam accommodations, please register with the Disability Services Office and then contact me at the beginning of the course. I am happy to help in any way I can. For more information, please visit the Disability Services Office, located on the 6th floor of the Learning Resource Center (the Library). You can also find more information here: http://www4.uwsp.edu/special/disability/.

III. Participation

Professional behavior is expected toward your classmates and instructor. It is highly unusual that there is a problem of this nature, but I will not tolerate such behavior. Slurs against a person's gender, race, religion, sexual orientation, political affiliation or essentially attacks against a person are not tolerated in this class or on this campus (and in professional settings). This requirement does not restrict your freedom of speech associated with expressing your opinion. Learning how to express opposing opinions without becoming emotive or insulting is an excellent skill to acquire.

If the behavior is identified in the online class environment or via email and it is not corrected, then it may be followed by removal of your extra credit and/or a deduction of 10 percent of your final grade. Extreme measures can result in a discussion with the Dean of Students.

Participation in Zoom Meetings

Synchronous online session guidelines: I rarely have behavior problems with students. Many of these guidelines should not need to be stated, but I thought I would outline the expectations of

our online meetings for the comfort of all. Unfortunately, it only takes one student to cause serious disruption to the class.

1. You must use your name (or the name you go by in the class).
2. Either add a "zoom background" or make sure your background is suitable for a work environment (i.e. devoid of provocative pictures). Let's also take a break from politics. I am sure we could all use one.
3. Participation is part of this grade, so your camera needs to be on (if this is a problem, let me know in advance).
4. You need to be dressed in attire you would wear to school (for the part of you that is visible) for zoom meetings.
5. Do not give out the password or link to other people outside the class.
6. Make sure the background sounds are kept to a minimal and turn on mute when you are not talking.
7. Do not spotlight yourself on the screen unless you are talking. (if you don't know what this means, then don't worry about it.)
8. All of the zoom meetings will be recorded, but the links will not necessarily be shared unless something is pertinent that I think would benefit the entire class.

Failure to follow these guidelines may results in the following:

1. Removal from the zoom room to the waiting room.
2. Removal from synchronous sessions.
3. Reductions in your participation grade.
4. A required meeting with the dean of students.

Participation in Face to Face Labs

Covid-19 and Face Coverings:

- At all UW-Stevens Point campus locations, the wearing of face coverings is mandatory in all buildings, including classrooms, laboratories, studios, and other instructional spaces. Any student with a condition that impacts their use of a face covering should contact the Disability and Assistive Technology Center to discuss accommodations in classes. Please note that unless everyone is wearing a face covering, **in-person classes cannot take place**. This is university policy and not up to the discretion of individual instructors. Failure to adhere to this requirement could result in formal withdrawal from the course.
Other Guidance:
- Please monitor your own health each day using this screening tool. If you are not feeling well or believe you have been exposed to COVID-19, do not come to class; email your instructor and contact Student Health Service (715-346-4646).
  - As with any type of absence, students are expected to communicate their need to be absent and complete the course requirements as outlined in the syllabus.
- Maintain a minimum of 6 feet of physical distance from others whenever possible.

- Do not congregate in groups before or after class; stagger your arrival and departure from the classroom, lab, or meeting room.
- Wash your hands or use appropriate hand sanitizer regularly and avoid touching your face.
- Please maintain these same healthy practices outside the classroom.

IV. Grade Calculations

Grade Distribution:
Weekly Quizzes: 10 pts each with 10 quizzes with 100 points
Discussions: 20 points each, three discussions for a total of 60 pts
Two exams 100 points each (for a total of 200 points)
Labs 10 labs, 20 points each for a total of 200 points
Total 560 points

Grade	Percent	Grade	Percent
A	94-100%	C	70-74%
A-	90-93%	C-	65-69%
B+	87-89%	D+	62-64%
B	83-86%	D	55-61%
B-	80-82%	F	< 55%
C+	75-79%		

V. Exam/Test Policy

Tests are open notes. You may not work with another person. Your lowest test score is dropped (this includes the final). Failure to take a quiz or an exam will be recorded as a zero.

VI. Quizzes

Quizzes are online are open notes and open book, but you may not work with another person. Do not take a quiz while logged into another person's computer. Do not take quizzes side by side with another classmate. Do not involve yourself in behavior that gives the appearance of cheating.

The best place to take quizzes is on campus because of the fast internet connection. If this is not possible, then choose a location where you will not be disturbed. The quizzes will time out after a while, and this will count as a quiz trial. For example, I do not recommend that you take quizzes at work if you will be called away or disturbed for long periods of time. **If you need help finding a suitable location to take your online quiz, then let me know.**

VII. Discussions

Discussion are usually 2 parts. First, you are required to post something. Second, you are required to respond to at least two other posts. Please contact me if you are having serious difficulties (personal, health, family, etc.). Discussions are further graded on accuracy of content, grammar and spelling, and civility.

Thus far, incivility has never been a problem. Please remember that you do not have to agree with the person, but you may not insult other classmates. Slurs against a person's gender, race, religion, sexual orientation, political affiliation or essentially attacks against a person are not tolerated in this class or on this campus (and in professional settings). This requirement does not restrict your freedom of speech associated with expressing your opinion. Learning how to express opposing opinions without becoming emotive or insulting is an excellent skill to acquire.

VIII Course Structure

This course will be delivered entirely online through the course management system Canvas. You will use your UWSP account to login to the course from the Canvas Login Page. If you have not activated your UWSP account, please visit the Manage Your Account page to do so.

You have the option of participating in a synchronous weekly zoom meeting.

You have the option of participating in limited face to face labs.

Course Technology Requirements

- View this website to see minimum recommended computer and internet configurations for Canvas.
- You will also need access to the following tools to participate in this course.
    - o   computer
    - o   printer
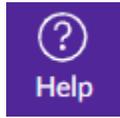   - o   a stable internet connection (don't rely on cellular)

UWSP Technology Support

- Visit with a Student Technology Tutor
- Seek assistance from the IT Service Desk (Formerly HELP Desk)
    - o   IT Service Desk Phone: 715-346-4357 (HELP)

Canvas Support

In canvas, Click on the [Help] button in the global (left) navigation menu and note the

options that appear:

Support Options	Explanations
Ask Your Instructor a Question Submit a question to your instructor	Use **Ask Your Instructor a Question** sparingly; technical questions are best reserved for Canvas personnel and help as detailed below.
Chat with Canvas Support (Student) Live Chat with Canvas Support 24x7!	**Chat**ting **with Canvas Support (Student)** will initiate a *text chat* with Canvas support. Response can be qualified with severity level.
Contact Canvas Support via email Canvas support will email a response	**Contact**ing **Canvas Support via email** will allow you to explain in detail or even upload a screenshot to show your particular difficulty.
Contact Canvas Support via phone Find the phone number for your institution	Calling the Canvas number will let Canvas know that you're from UWSP; phone option is available 24/7.
Search the Canvas Guides Find answers to common questions	**Search**ing **the Canvas guides** connects you to documents that are searchable by issue. You may also opt for **Canvas video guides.**
Submit a Feature Idea Have an idea to improve Canvas?	If you have an idea for Canvas that might make instructions or navigation easier, feel free to offer your thoughts through this **Submit a Feature Idea** avenue.

All options are available 24/7; however, if you opt to email your instructor, I may not be available immediately.

- Self-train on Canvas through the Self-enrolling/paced Canvas training course