

For 319/Soil 359: Land Surveying/Soil Conservation and Watershed Inventory Techniques

Required qualifications

- Valid driver's license for 2 years with no major moving infractions
- Able to walk up to 3 miles per day, and lift 30 lbs.
- Reliable, can follow checklists, and can work unsupervised

Preferred qualifications

- Be able to use GIS at a basic level to help students with maps in FOR 319
- Know the plant lists (common and scientific) for both classes and know where to find the plants

Job Duties

- Organize equipment needed for each day ahead of time and ensure it's ready to collect for each lab activity. Pack crew bags, keep track of equipment signed out
- Understand how to use the equipment for the class and be able to explain how to safely and effectively use the equipment to students
- Help reinforce responsible use of course equipment to prevent damage to said equipment
- Manage battery supply, ensure the equipment is in good working order, and advise the stockroom manager of any equipment malfunction
- Familiarize yourself with calculations used in the course and help assist students when needed
- Move between classes to help when the professor requests it. Develop and communicate a shared schedule
- Assist with teaching the plants to students through plant walks, practice quizzes, or other creative activities like trivia or scavenger hunts
- Gather plants for both classes, set up the plant quizzes each week
- Assist in set up for both and proctor one of the practical exams at the end of each week

For 320: Field Experience in Forest Measurement

Required qualifications

- Valid driver's license for 2 years with no major moving infractions
- Able to walk up to 3 miles per day, and lift 30 lbs.
- Reliable, can follow checklists, and can work unsupervised

Preferred qualifications

- Know how to use the forestry measuring equipment
- Know the plant lists (common and scientific) and know where to find the plants
- Know or learn how to use habitat typing guide
- Be able to use GIS at a basic level to help students with maps

Job Duties

- Organize equipment needed for each day ahead of time and ensure it's ready to collect for each lab activity. Pack crew bags, keep track of equipment signed out
- Familiarize yourself with the forest measurements equipment and calculations, and be able to assist students
- Familiarize yourself with forest and habitat types. Know or learn how to use habitat typing guide
- Be able to use GIS at a basic level to help students with maps
- Accompany the class for lab activities when needed. Know the lab activities
- Gather plants for the class, set up the plant quiz each week
- Know the plant list (common and scientific) and where to find the plants
- Develop ways to teach the plants on your list, whether fun activities or just consistently practicing, going on plant walks during or after class, etc.

SOIL 360 – Field Experience in Soil Inventory Methods

Required qualifications

- Valid driver's license with the ability to get a Vehicle Use Agreement at UWSP
- Able to walk up to 4 miles per day, and lift 30 lbs
- Reliable, can follow checklists, and can work unsupervised
- Ability to work outdoors and in inclement weather conditions

Preferred qualifications

- Experience with Avenza Maps
- Be able to use GIS at a basic level to help students with maps in SOIL 360
- Know the plant lists (common and scientific) for both classes and know where to find the plants
- Experience describing soils

Job Duties

- Interact with students in a professional manner
- Organize equipment needed for each day ahead of time and ensure it's ready to collect for each lab activity. Pack crew bags, keep track of equipment signed out
- Make sure returned equipment is in good order at the end of the day
- Know (or become knowledgeable of) the plant list for SOIL 360
- Know how to use or become knowledgeable in how to use a Kotar Forest Habitat Type Guide
- Assist in the field with instruction and/or equipment use
- Assist with teaching soil terminology and/or plants to students through plant walks, practice quizzes, or other creative activities like trivia or scavenger hunts
- Assist in and/or collect soil and plant samples for use in the classroom
- Gather and/or assist gathering plants and soil samples for quizzes each week
- Assist with set up of the practical exam
- Assist with proctoring exams
- Assist with final plant exam
- Assist with orientation
- Assist with other course needs as available
- Ability to assist in an emergency

WATR 380: Field Experience in Aquatic Ecosystem Evaluation

Required qualifications

- Valid driver's license for 2 years with no major moving infractions
- Able to swim, walk up to 1/2 mile per day in streams, and lift 30 lbs.
- Wisconsin boater's safety certificate or the willingness to complete the online training to earn one (note: Completing this certificate is part of WATR 200, often taken during your sophomore year)
- Willing to learn plant, fish, and invertebrate ID skills
- Willing to learn trailering skills
- Reliable, can follow checklists, and can work unsupervised

Preferred qualifications

- Familiarity with small boats and boat motors
- Experience trailering and driving larger trucks
- Basic fish, invertebrate, and aquatic plant ID skills
- Sociable and professional

Job duties

- Receive on-the-job training, especially during the first week of the session
- Load and unload equipment daily
- Reset the classroom each week, including cleaning and organizing lab supplies
- Teach students how to use field equipment, including seines, d-nets, secchi disks, and plankton nets
- Collect and maintain a live specimen plant collection of all aquatic plants on the WATR 380 plant list
- Keep equipment and storage facilities organized and clean
- Attach boat trailers, and launch and load boats
- On lake shocking days, supervise the students that remain on shore
- Chemically treat waders, boats, and other equipment for aquatic invasives in between field sites
- Trailer large boats to local gas stations and potentially shuttle large boats between UWSP and Treehaven
- Be a resource for students when there are questions on certain exercises
- Assist with a practical exam at the end of each week
- Help other TAs or the stockroom manager when necessary

WLDL 340: Field Experience in Wildlife Management Techniques

The Wildlife TA position is an important professional development opportunity for students. Our vision is that students who have this opportunity will develop communication skills, instructional skills, organizational skills, and a greater rapport with faculty.

Required qualifications

- Able to identify the plants on the class plant list with scientific and common names (or learn them within the first few weeks of the course)
- Organized and can work independently
- Ability to be flexible in changing conditions within weeks and between instructors
- Excellent communication skills

Preferred qualifications

- Experience with plant and/or animal ID
- Experience measuring wildlife habitat characteristics
- Experience trapping and handling wildlife
- Telemetry experience

Job duties

- Organize equipment needed for each day ahead of time and ensure it's ready to collect for each lab activity. Pack crew bags, keep track of equipment signed out. Prepare any needed data sheets
- Make certain that all equipment is properly cleaned (i.e. Sherman traps) and in proper working order throughout the week
- Teach, quiz, and practice plant identification with the class throughout the week
- Humanely trap live animals as needed and as interest dictates
- Conduct diurnal and nocturnal monitoring techniques as needed and as interest dictates
- Gather appropriate plant specimens for the weekly plant quiz. Assist with set-up and proctor the practical exam at the end of each week as needed
- Assist with grading as needed
- Maintain a comprehensive Excel sheet of all vertebrate captures for IACUC purposes
- Be available to the professor and the crews both in the classroom and out in the field
- Help other TAs or the stockroom manager when necessary

NRES 405: Plant Identification

Required qualifications

- Knowledge of plants on the SFE plant list and ability to correctly identify them
- Ability to work alone and in groups
- Familiarity with dichotomous keys and ability to teach students how to use them
- Knowledge of botany terminology
- Ability to explain important ID characteristics of plants and key differences between look-alike species
- Basic knowledge of plant habitat preferences

Preferred qualifications

- Completion of BIOL 342 - Vascular Plant Taxonomy or FOR 232 – Dendrology
- Completion of NRES 405 - SFE Plant Course
- ATV/UTV safety training
- Prior tutoring or teaching experience

Job duties

- Assist in collecting, organizing, and maintaining plants for the Plant Room
- Co-lead evening plant walks with Plant Course Instructor
- Help students learn class material through individual or group tutoring
- Assist with setting up and taking down self-guided plant walks and plant exams
- Collect specimens for weekly dichotomous key quizzes
- Assist with grading of weekly quizzes and final exam
- Develop new resources to aid students in learning plants
- Other duties as assigned by Plant Course Instructor