

DEPARTMENT OF FOREST & CONSERVATION SCIENCES

Job Posting: Teaching Assistants / Markers

Period: Term 1 (September 1, 2022 – December 31, 2022)

Course No. FRST 150

Instructor: TBA

Course Name: Scholarly Writing and Argumentation in Forestry

Total No. Required: GTA 4 UTA

Required Qualifications: Excellent skills in critical reading and scholarly writing in English. Ability to provide formative and high impact feedback on student writing, strong communication and leadership skills, a passion for language and a knowledge of issues and concepts related to Forestry.

Description of General Nature of Duties: Participation in lectures, assessment/grading of 3-4 written assignments, ongoing formative feedback on student writing, a weekly office hour, option to lead a weekly writing tutorial

Hours Allotted to Each Component of Job Duties: Hours of Work Per Week: 5 (for 16 weeks)

Course No. FRST 200

Instructor: Athena McKown

Course Name: Forest Plant Biology I

Total No. Required: GTA 3 UTA

Required Qualifications: Must be skilled in tree and plant identification, particularly angiosperm families; working knowledge of plant morphology and physiology.

Description of General Nature of Duties: Lab set-up, take-down; photocopying handouts; assisting students in lab (especially with tree and plant identification); marking lab reports and herbarium assignments; supervising open lab times for studying prior to exams; collecting specimens from the field.

Hours Allotted to Each Component of Job Duties: Hours of Work Per Week: 12 (for 16 weeks)

Basically 6 hours of contact time per week plus 6 hours of prep/marking per 1.0 GTA

Course No. FRST 201

Instructor: Shannon Guichon

Course Name: Forest Ecology

Total No. Required: GTA 3 UTA 1

Required Qualifications: Must be a graduate student in Faculty of Forestry. Must have an excellent understanding of local plant taxonomy, forest dynamics and structure, the biogeoclimatic ecosystem classification system, and basic soils. Must be familiar with BC coastal and interior ecosystems.

Description of General Nature of Duties: Provide assistance with all field labs, including some full-day labs. Provide assistance with all tutorials and indoor labs. Assist students with plant identification on evenings and weekends before lab exams. Provide assistance with supervising and marking exams.

Hours Allotted to Each Component of Job Duties: Hours of Work Per Week: 12 (for 16 weeks)

Course No. FRST 303

Instructor: Christopher Chanway

Course Name: Principles of Forest Science

Total No. Required: GTA 1 UTA

Required Qualifications: Forest Science Major

Description of General Nature of Duties: Assist in marking and lecturing.

Hours Allotted to Each Component of Job Duties: Hours of Work Per Week: 12 (for 16 weeks)

Course No. FRST 307

Instructor: Allan Carroll / Richard Hamelin

Course Name: Biotic Disturbances

Total No. Required: GTA 2 UTA

Required Qualifications: Should be a graduate student in the Faculty of Forestry. Must have solid knowledge of forest biotic stresses, either in entomology or pathology. Must be familiar with disease and insect taxonomy, diagnostic, and forest pest dynamics.

Description of General Nature of Duties: Assistance with field labs and with indoor labs. Provide assistance with tutorials, preparation of material, and with student lab assignments. Provide some assistance with marking of assignments and exams.

Hours Allotted to Each Component of Job Duties: Hours of Work Per Week: 12 (for 16 weeks)

Course No. FRST 320

Instructor: Lori Daniels

Course Name: Abiotic Disturbances Fire & Climate **Total No. Required:** GTA 2 UTA

Required Qualifications:

- Completion of climate, ecology and natural disturbance courses with high grade.
- Field experience in ecological assessment and/or fire ecology and management.
- Interest in teaching.
- Capable of working well with undergraduates.
- Good communication skills.
- Reliable and self-motivated.

Description of General Nature of Duties:

- Lab preparation and teaching (2 sections of c. 50 students each).
- Photocopying of lab materials and maintain lab reference binders.
- Assistance with lab assignments during lab sections and office hours.
- Co-supervision of student field exercises.
- Grading lab reports and exams.

Hours Allotted to Each Component of Job Duties: Hours of Work Per Week: 12 (for 16 weeks)

***Course No. FRST 350**

Instructor: Patrick Culbert

Course Name: Foundational Field School **Total No. Required:** GTA 2 UTA

Required Qualifications:

- Completion of undergraduate level ecology/measurements courses with high grade.
- Field experience in forestry/ecology.
- Interest in field instruction.
- Capable of working well with undergraduates with diverse cultural backgrounds.
- Good communication skills.
- Reliable.
- Fluency in Mandarin helpful but not required.

Description of General Nature of Duties:

- Organization of transport and teaching materials prior to camp.
- Assistance teaching field exercises.
- Perform small-group instruction and supervision of students.
- Grading field notebooks and team reports on completion of camp.

Hours Allotted to Each Component of Job Duties: Hours of Work Per Week: 48 (for 2 weeks)

Course No. FRST 351

Instructor: Lori Daniels

Course Name: Interior Field School (Fall Camp)

Total No. Required: GTA 1 UTA

Required Qualifications:

- Completion of undergraduate level silviculture/ecology/measurements courses with high grade.
- Field experience in forestry/ecology.
- Interest in teaching.
- Capable of working well with undergraduates.
- Good communication skills.
- Reliable.
- Class 4 (professional) driver's license to drive 15 passenger vans is required.
- Willingness to stay in a remote camp for 1 week in late August.

Description of General Nature of Duties:

- Organization of transport and teaching materials prior to camp.
- Photocopying as needed.
- Assistance with field and classroom exercises while at camp.
- Supervision of field notebook completion and skills tests while at camp.
- Grading lab reports and notebooks on completion of camp.

Note: This is a 1 week compressed, residential field-course with preparation time in advance and marking and wrap-up activities after camp.

Hours Allotted to Each Component of Job Duties: Hours of Work Per Week: 64 (for 3 weeks)

Course No. FRST 411

Instructor: Teresa Ryan

Course Name: Complex Adaptive Systems, Global Change Science, and Ecology Sustainability

Total No. Required: GTA 1 UTA

Required Qualifications: Must be a graduate student in Faculty of Forestry. Must have an excellent understanding of local plant taxonomy, forest dynamics and structure, the biogeoclimatic ecosystem classification system, and basic soils. Must be familiar with BC coastal and interior ecosystems.

Description of General Nature of Duties: Provide assistance with all field labs, including some full-day labs and two weekend field trips. Provide assistance with all tutorials and indoor labs. Assist students with plant identification on evenings and weekends before lab exams. Provide some assistance with supervising and marking exams.

Hours Allotted to Each Component of Job Duties: Hours of Work Per Week: 6 (for 16 weeks)

Course No. FRST 544

Instructor: Lindsay Cuff

Technical Communication

Skills I

Total No. Required: GTA 2 UTA

Required Qualifications: Good English writing and communication skills in order to grade essay assignments. Previous experience in this course preferred – preference will be given to a student who has taken and done well in the course, and has experience in TAing the course, if such a student is available.

Description of General Nature of Duties: Grading of student papers and providing detailed feedback to students on their communication skills and how to assess the skills of others.

Hours Allotted to Each Component of Job Duties: Hours of Work Per Week: 4.5 (for 16 weeks)

***Course No. CONS 302**

Instructor: Tongli Wang

Course Name: Issues in Geonomics and the Environment

Total No. Required: GTA 1 UTA

- Knowledge of genetics, geonomics and environments.
- Excellent writing and communication skills

Description of General Nature of Duties:

Assist students with readings, lecture material, and group projects. Assist grading assignments, term papers and exams.

Hours Allotted to Each Component of Job Duties: Hours of Work Per Week: 12 (for 16 weeks)

Course No. CONS 440

Instructor: Tara Martin

Course Name: Conservation Decision Making & Policy

Total No. Required: GTA 1 UTA

Background in conservation decision science, systematic conservation planning, quantitative tools in conservation science, structured decision making, and general understanding of national and international conservation policy context.

Description of General Nature of Duties:

GTA will mentor students on individual and group projects, help organize and run labs, contribute to marking of assignments and quizzes and may deliver 1-2 lectures on topics they have a special interest in. GTA reads course material, attends lectures and labs and helps develop study questions to prepare for labs and exams.

Hours Allotted to Each Component of Job Duties: Hours of Work Per Week: 12 (for 16 weeks)

Course No. CONS 451

Instructor: Nolan Bett

Course Name: Integrated Field School

Total No. Required: GTA 4 UTA

Required Qualifications: CONS 451 is a 15-credit undergraduate course in the Natural Resources Conservation Program. The course consists of three modules, each approximately four weeks long. Modules will focus on alpine, grassland, and aquatic ecosystems in British Columbia. Each module will require 2 to 4 part-time GTA's. TAs will be hired based on their academic qualifications and **field experience** related to one of the ecosystems.

Specific qualifications for each module are as follows:

Alpine Module: alpine/subalpine plant species identification, or knowledge of land use planning and GIS.

Grassland Module: specialization in one of the following areas of grasslands research: avian ecology, plant identification, or fire ecology

Aquatic Module: fish identification skills, mark-recapture techniques and statistical analysis skills, amphibian identification and inventory skills, experience with fish habitat assessment.

Description of General Nature of Duties: Each module TA will be required to participate in a week-long fieldtrip. During fieldtrips TAs will lead field activities, drive to field sites, assist with field exams, and supervise students at field camps. On campus, TAs will assist in identification and statistics workshops, grade assignments and provide feedback to students on deliverables.

Hours Allotted to Each Component of Job Duties: Hours of Work Per Week: 24 (for 4 weeks)

Working hours will be compressed into a one-month period (the length of one module). Total appointed hours will range from 48-196, depending on the module and amount of duties required. Exact dates for each module and TA duties will be determined in August, but follow this general timeline: alpine module (September – field trip in second week), grasslands module (October – field trip either before or immediately after Thanksgiving), and aquatic module (November – field trip in late Oct / early Nov).

*** End of Term 1 Posting ***

DEPARTMENT OF FOREST & CONSERVATION SCIENCES

Job Posting: Teaching Assistants / Markers
Period: Term 2 (January 1, 2023 – April 30, 2023)

Course No. **FRST 150**

Instructor: **TBA**

Course Name: **Scholarly Writing and Argumentation in Forestry**

Total No. Required: GTA 4 UTA

Required Qualifications: Excellent skills in critical reading and scholarly writing in English. Ability to provide formative and high impact feedback on student writing, strong communication and leadership skills, a passion for language and a knowledge of issues and concepts related to Forestry.

Description of General Nature of Duties: : Participation in lectures, assessment/grading of 3-4 written assignments, ongoing formative feedback on student writing, a weekly office hour, option to lead a weekly writing tutorial

Hours Allotted to Each Component of Job Duties: Hours of Work Per Week: 5 (for 16 weeks)

Course No. **FRST 210**

Instructor: **Sally Aitken**

Course Name: **Forest Plant Biology II**

Total No. Required: GTA 3 UTA 1

Required Qualifications: Should be skilled in tree and plant identification, particularly gymnosperms and other non-flowering plants; basic plant morphology.

Description of General Nature of Duties: Prepare and provide introductory presentations for up to three lab sessions during the term; lab set-up, take-down; photocopying handouts; assisting students in lab (especially with tree and plant identification); marking lab reports and herbarium assignments; supervising openlab times for studying prior to exams; collecting specimens from the field.

Hours Allotted to Each Component of Job Duties: Hours of Work Per Week: 12 (for 16 weeks)

Basically 6 hours of contact time per week plus 6 hours of prep/marking per 1.0 TA

***Course No. FRST 211**

Instructor: Patrick Culbert

Course Name: Forest Classification and Silvics

Total No. Required: GTA 3 UTA

Required Qualifications: Must be a graduate student in Faculty of Forestry who has an excellent understanding of local plant taxonomy, the biogeoclimatic ecosystem classification system, silvics, soils and/or climatology. Must be familiar with BC ecosystems and tree species and interested in the impacts of global environmental change on forests.

Description of General Nature of Duties:

- Lab preparation and teaching (4 x 2-hour sections of c. 30-35 students each).
- Co-supervision of student field and lab exercise including: presentation of background materials, demonstration of field and lab analytical methods, advice on written lab assignments and evaluation of student powerpoint presentations.
- Co-supervision of a one-day field trip (in lieu of the last lab).
- Co-supervision of exams; grading lab reports and exams, including entering grades in spreadsheets.

Hours Allotted to Each Component of Job Duties: Hours of Work Per Week: 12 (for 16 weeks)

Course No. FRST 302

Instructor: Yousry El-Kassaby

Course Name: Forest Genetics

Total No. Required: GTA 2 UTA

Required Qualifications: Graduate studies in population/quantitative genetics.

Description of General Nature of Duties: Grading homework, 4 mid-terms, and addressing questions via e-mail/discussion board/office hours for approximately 250 students.

Hours Allotted to Each Component of Job Duties: Hours of Work Per Week: 12 (for 16 weeks)

Course No. FRST 386

Instructor: Scott Hinch / John Richardson

**Course Name: Aquatic Ecosystems & Fish in
Forested Watersheds**

Total No. Required: GTA 3 UTA

Required Qualifications: Background in aquatic ecology preferably with experience in fish ecology, life history, taxonomy.

Description of General Nature of Duties: Leading laboratory discussions on fish life history and general ecology; teaching fish taxonomy and identification, leading field tours; marking exams.

Hours Allotted to Each Component of Job Duties: Hours of Work Per Week: 12 (for 16 weeks)

***Course No. FRST 399**

Instructor: Patrick Culbert

Course Name: Research Methods

Total No. Required: GTA 2 UTA

Required Qualifications: Grade student scientific writing at multiple stages and provide high-quality constructive feedback. Meet individually or in small groups with students to advise them in development of their research proposals.

Description of General Nature of Duties: Assist with technical details of weekly class presentation and discussions. Some grading of reports and papers. Some tutorials with undergraduates.

Hours Allotted to Each Component of Job Duties: Hours of Work Per Week: 6 (for 16 weeks)

Course No.: FRST/APBI 444

Instructor: Cindy Prescott

Course Name Agroforestry

Total No. Required: GTA 1

Required Qualifications:

- Knowledge of agroforestry systems
- Excellent communication skills
- Strong organizational skills and ability to work independently

Description of General Nature of Duties:

Assist students with readings, lecture material and group projects. Help coordinate field trips and exercises. Assist grading assignments and exams.

Hours Allotted to Each Component of Job Duties: Hours of Work Per Week: 6 (for 16 weeks)

***Course No. FRST 495**

Instructor: Nolan Bett

Course Name: Biological Diversity & Forest Management

Total No. Required: GTA 2 UTA

Required Qualifications: Background in biodiversity and conservation-related issues. Strong writing and communications skills, and ability to provide constructive feedback on assignments.

Description of General Nature of Duties: Mark student essays and presentations on biodiversity and conservation. Assist with guiding students during group discussions.

Hours Allotted to Each Component of Job Duties: Hours of Work Per Week: 12 (for 16 weeks)

Course No. FRST 512/ CONS 412/ APBI 412

Instructor: Sue Grayston

Course Name: Belowground Ecosystems

Total No. Required: GTA 1 UTA

Required Qualifications: Some knowledge of belowground organisms and ecology and plant-microbe interactions. Ability to converse effectively with graduate and undergraduate students.

Description of General Nature of Duties: Assist with technical details of weekly class presentation and discussions. Some grading of reports, presentations and participation. Assist with audio-visual equipment. Maintenance and posting to Canvas course web-site.

Hours Allotted to Each Component of Job Duties: Hours of Work Per Week: 3.5 (for 16 weeks)

Course No. FRST 544

Instructor: Lindsay Cuff

Course Name: Technical Communication Skills I

Total No. Required: GTA 2 UTA

Required Qualifications: Good English writing and communication skills in order to grade essay assignments. Previous experience in this course preferred – preference will be given to a student who has taken and done well in the course, and has experience in TAing the course, if such a student is available.

Description of General Nature of Duties: Grading of student papers and providing detailed feedback to students on their communication skills and how to assess the skills of others.

Hours Allotted to Each Component of Job Duties: Hours of Work Per Week: 4.5 (for 16 weeks)

Course No. FRST 545

Instructor: Cindy Prescott

Course Name: Technical Communication Skills II

Scientific Writing

Total No. Required: GTA 1 UTA

Required Qualifications: Previous experience in scientific writing is essential – preference will be given to a student who has taken and done well in the course, or has equivalent experience/qualifications. Must be able to communicate well with peers by way of written and oral feedback on student assignments.

Description of General Nature of Duties: Grading class assignments and providing a high level of written feedback on course assignments. Availability to tutor students as required and within the time available. Maintaining record of grades. Providing general support as requested by the instructor.

Hours Allotted to Each Component of Job Duties: Hours of Work Per Week: 9 (for 16 weeks)

Course No. CONS 310

Instructor: Shannon Guichon

Course Name: Ecology in Changing Climate

Total No. Required: GTA 1 UTA

Required Qualifications: Evidence of excellent knowledge of climate change and ecology, including in-depth knowledge of materials in IPCC Working Groups I (physical science basis) and II. Must be well-versed in scientific literature and able to train students in reading and reviewing literature on climate change science, including attribution. Able to manage time well, be organized and efficient and communicate well with students.

Description of General Nature of Duties: GTA will mentor students on group projects, help organize and run scientific paper discussions, contribute to marking of homework assignments, quizzes and class debates and projects. GTA reads/watches course all material, attends lectures, helps develop study questions to prepare for quizzes and test homework completion. Manages assignments, quizzes and grades on Canvas and serves as a first point-of-contact for students' questions.

Hours Allotted to Each Component of Job Duties: Hours of Work Per Week: 12 (for 16 weeks)

Course No. CONS 330

Instructor: Athena McKown

Course Name: Conservation Science & Sustainability

Total No. Required: GTA 3 UTA

Required Qualifications: Strong understanding of conservation ecology and experimental design, with skills in Excel data sheet management and basic statistical analysis. Prior teaching experience with student-led experiments an asset.

Description of General Nature of Duties: Teaching and leadership for one of four tutorial sections per week, including workshops on scientific writing, computer and numeracy skills, and experimental design. Marking of student assignments and final scientific project papers, as well as midterm and final exams. GTA position will be split into 0.5 increments, with one 0.5 GTA per tutorial.

Hours Allotted to Each Component of Job Duties: Hours of Work Per Week: 12 (for 16 weeks)

1 hour per week: instructor's meeting

2 hours per week: tutorial contact time

2 – 3 hours per week: marking and grades administration

***Course No. CONS 452 (12 credits)**

**Instructor: Nolan Bett /Hisham Zerriffi /
Terry Sunderland**

Course Name: Capstone Course in Global Perspectives Total No. Required: GTA 2 UTA

Required Qualifications: Strong background in sustainable resource management, landscape conservation, energy systems, livelihoods, and/or socio-ecological systems. Strong skills in GIS (experience with both ArcGIS and QGIS preferred, as is proficiency with remote sensing) and/or statistics (R preferred) for one candidate and skills in qualitative research methods and/or policy analysis for the other candidate as well as solid communications skills, are required.

Description of General Nature of Duties: This is an intensive course (12 hours per week); students complete weekly assignments in the first part of the semester, then work in teams to complete independent projects in case studies around the world. GTAs will assist with: 1) developing, testing, and instructing weekly lab assignments; 2) tutoring weekly writing exercises; 3) grading of assignments; 4) maintaining the course Canvas website; and 5) mentoring team projects. Regular lab attendance will be required, as will attendance at weekly teaching-team meetings. Please contact instructor directly for more information (nolan.bett@ubc.ca and Terry.sunderland@ubc.ca).

Hours Allotted to Each Component of Job Duties: Hours of Work Per Week: 12 (for 16 weeks)

Course No. CONS 486

Instructor: Scott Hinch

Course Name: Fish Conservation and Management Total No. Required: GTA 1 UTA

Required Qualifications: Background in aquatic ecology preferably with experience in fish ecology or management.

Description of General Nature of Duties: Leading seminar discussions and overseeing/grading student led seminars; marking exams and term papers.

Hours Allotted to Each Component of Job Duties: Hours of Work Per Week: 12 (for 16 weeks)

Course No.: UFOR 403

Instructor: Cindy Prescott

Course Name Ecological Restoration

Total No. Required: GTA 1

- Knowledge of ecological restoration
- Excellent communication skills
- Strong organizational skills and ability to work independently

Description of General Nature of Duties:

Assist students with readings, lecture material, group projects, and final project. Help coordinate field trips and exercises. Assist grading assignments and exams.

Hours Allotted: 6 hours per week for 16 weeks

Course No.: UFOR 495

Instructor: Sarah Benson-Amram

Course Name Biodiversity in Urban Areas

Total No. Required: GTA 2

- Knowledge of ecology
- Knowledge of conservation planning, scientific design, statistics, and biodiversity.
- Excellent writing and communication skills
- Strong organizational skills and the ability to work independently

Description of General Nature of Duties:

Assist students with readings, lecture material, group projects, and final project. Help coordinate tutorials and exercises. Assist grading assignments and exams.

Hours Allotted: 12 hours per week for 16 weeks

***** End of Term 2 Posting *****