Graduate Teaching Assistants

Course No.: CONS 200 - Term 1  
Instructor: Shannon Hagerman

Course Name: Foundations of Conservation  
Total No. Required: 2 or 3 GTA

Required Qualifications:
- A degree in conservation, resource management or related field with an emphasis on/or interest in social dimensions
- Knowledge of conservation issues across spatial scales and in different geographic contexts
- Excellent writing and editing skills
- Experience with marking and providing feedback – especially with essays

Description of General Nature of Duties:
- Marking 3 short (500 word) essay assignments throughout the term
- Coordinating student feedback via Connect
- Working with students individually regarding course content and to provide feedback on essay development

Hours Allotted: 9-12 hours/week for 16 weeks depending on budget and enrollment.

Course No.: CONS 210 - Term 1  
Instructor: TBA

Course Name: Visualizing Climate Change  
Total No. Required: 2-3 GTA

Required Qualifications:
- Graduate Student (preferable PhD candidate) and/or experience in climate change, landscape planning, visual media, and/or communications.
- Excellent verbal and written skills
- Strong organizational skills
- Preferable previous TA experience, including I-Clickers and Connect web platform

Description of General Nature of Duties:
- Co-ordinate field trips, assignments, and references.
- Run tutorial for students on climate change communication plans.
- Assist in student project supervision/coordination.
- Grading assignments and midterm.
- Coordinate class website and student communications.

Hours Allotted: 6-9 hours work per week for 16 weeks depending on budget and enrolment.

Course No.: CONS 340 - Term 1  
Instructor: Mike Meitner

Course Name: Introduction to Geographic Information Systems for Forestry and Conservation  
Total No. Required: 1 GTA

Required Qualifications:
- A detailed knowledge of geographic information systems and related technologies.

Description of General Nature of Duties:
Job Posting: Teaching Assistants  
2019-2020 (Term 2)

- Assist students in lab sections.
- Grade weekly lab assignments and 2 exams.
- Hold office hours to mentor students and trouble shoot problems.

**Hours Allotted:** 6 hours work per week for 16 weeks depending on budget and enrolment

**Course No.:** CONS 481 - Term 1  
**Instructor:** Michael Meitner  
**Course Name:** Conservation Planning and Wildland Recreation  
**Total No. Required:** 1 GTA

**Required Qualifications:**
- General familiarity with planning concepts.

**Description of General Nature of Duties:**
- Assist students in lab sections, grade exams, lab assignments and a final paper.

**Hours Allotted:** 6 hours work per week for 16 weeks (96 hours) depending on budget and enrolment

**Course No.:** CONS 528  
**Instructor:** Shannon Hagerman  
**Course Name:** Social research methods for forestry and conservation  
**Total No. Required:** 1 GTA

**Required Qualifications:**
- A degree in conservation, resource management or related field with an emphasis on/or interest in social dimensions
- Experience with qualitative research methods and design as applied to natural resource conservation contexts
- Excellent writing, analytical and editing skills
- Experience with marking and providing feedback

**Description of General Nature of Duties:**
- Assist with marking 6 assignments throughout the term
- Coordinating student feedback via Connect
- Working with students individually regarding course content and to provide feedback

**Hours allotted:** 4 hours/week for 16 weeks depending on budget and enrollment.

**Course No.:** FOPR 264 - Term 1  
**Instructor:** Dominik Roeser/Holger Griess  
**Course Name:** Geomatics, Forest Access & Transportation  
**Total No. Required:** 1 GTA

**Required Qualifications:**
- Must have experience in running closed traverses with hand compass, chain, and clinometer.
- Advantage if have knowledge of forest road design.
- Comfortable with geometric analysis.

**Description of General Nature of Duties:**
- Assist in teaching labs, marking assignments.
- Other general duties.

**Hours Allotted:** 6 hours work per week for 16 weeks (96 hours) depending on budget and enrolment
Job Posting: Teaching Assistants
2019-2020 (Term 2)

Course No.: FOPR 459 - Term 1  
Instructor: Harry Nelson  
Course Name: Economics, Contracts, and Finances in Forest Ops  
Total No. Required: 1 GTA

Required Qualifications:
- Graduate Student in Forestry business experience, preferably in the development of management and business plans and financial analysis.

Description of General Nature of Duties:
- Assist in teaching labs.
- Marking assignments.
- Other general duties.

Hours Allotted: 3 hours work per week for 16 weeks (48 hours) depending on budget and enrolment

Course No.: FOPR 464 - Term 1  
Instructor: Holger Griess  
Course Name: Forestry Machines  
Total No. Required: 1 GTA

Required Qualifications:
- Must have strong foundation in calculus.
- Advantage if have a background in mechanics (i.e. equilibrium analysis, and dynamics of a point mass).

Description of General Nature of Duties:
- Assist in teaching labs.
- Marking assignments.
- Other general duties.

Hours Allotted: 3 hours work per week for 16 weeks (48 hours) depending on budget and enrolment

Course No.: FRST 100 - Term 1  
Instructor: TBA  
Course Name: Sustainable Forests  
Total No. Required: 2 - 3 GTA

Required Qualifications:
- Graduate student in Forestry.
- Excellent writing skills to assist in essay preparation.

Description of General Nature of Duties:
- Read, grade essays, and mark assignments
- Meet with students and other general duties

Hours Allotted: 6 hours work per week for 16 weeks (96 hours) depending on budget and enrolment
Course No.: FRST 110- Term 1  Instructor: Fernanda Tomaselli
Course Name: First year Integrative Seminar (Land One Program)  Total No. Required: 1 GTA

Required Qualifications:

- A degree in forestry, land and food systems, conservation, resource management or a related field with an emphasis on/or interest in social dimensions
- General understanding of forestry, food and sustainability issues in different geographic contexts and across scales
- Good writing and editing skills
- Good inter-personal skills
- Experience with marking and providing feedback is an asset

Description of General Nature of Duties:

- Marking of essay assignments throughout the term
- Coordinating student blog and other feedback via Canvas
- Grading short quizzes
- Coordinating and participating in two field trips

Hours Allotted: 6 hours /week for 16 weeks

Course No.: FRST 231 - Term 1  Instructor: TBA
Course Name: Introduction to Biometrics  Total No. Required: 2 or 3 GTA

Required Qualifications:

- 80% or better in FRST 231 or equivalent.

Description of General Nature of Duties:

- Provide assistance to students in completing problem sets during scheduled lab times and/or office hours.
- In addition some marking and/or supervision of undergraduate markers may be required.

Hours Allotted: 6 hours work per week for 16 weeks (96 hours) depending on budget and enrolment

Course No.: FRST 232 - Term 1  Instructor: Suborna Ahmed
Course Name: Computer Applications in Forestry  Total No. Required: 2 GTA

Required Qualifications:

- Must be proficient with Ms. Word, Excel, VBA in Excel, MS Access SQL, GIS, RStudio and R Markdown.

Description of General Nature of Duties:

- Provide program assistance in the computer lab and help the instructor on developing teaching materials.

Hours Allotted: 6 hours work per week for 16 weeks (96 hours) depending on budget and enrolment
Course No.: FRST 370 - Term 1                     Instructor: Janette Bulkan
Course Name: Community Forests and Community Forestry Total No. Required: 1 GTA

Required Qualifications:
- A degree in conservation, resource management, or related field with an emphasis on/or interest in social dimensions
- Knowledge of community forestry issues across spatial scales and in different geographic contexts would be an asset
- Excellent writing and editing skills
- Experience with marking and providing feedback especially with essays

Description of General Nature of Duties:
- Marking 3 short (650 words) essay assignments throughout the term
- Working with students individually to provide feedback on essay development

Hours Allotted: 3 hours work per week for 16 weeks (48 hours) depending on budget and enrolment

Course No.: FRST 385 / FOPR 388 - Term 1                     Instructor: Younes Alila
Course Name: Watershed Hydrology Total No. Required: 2 or 3 GTA

Required Qualifications:
- Undergraduate degree in a related field.
- Ability to work independently.
- Experience in marking, teaching and hydrological measurement methods.
- Proficient with Excel.

Description of General Nature of Duties: Provide technical assistance in the computer labs.

Hours Allotted: 6 hours work per week for 16 weeks (96 hours) depending on budget and enrolment

Course No.: FRST 395                     Instructor: Cole Burton
Course Name: Forest Wildlife Biology & Management Total No. Required: 2.5 GTA

Required Qualifications:
- Understanding the principles of animal ecology and population dynamics.
- Knowledge of the biology and identification of the terrestrial vertebrates of BC is especially valuable.
- The ability to clearly explain the methods used in population estimation and demographic analysis is necessary.

Description of General Nature of Duties:
- Assistance with demonstration of laboratory exercises involving identification (and form and function) of the major groups of terrestrial vertebrates in BC, mark-recapture estimations, and demographic modelling.
- Marking laboratory Assignments.
- Assistance with marking mid-terms and final examinations.
Job Posting: Teaching Assistants  
2019-2020 (Term 2) 

Hours Allotted: 12 hours work per week for 16 weeks depending on budget and enrolment

Course No.: FRST 415 - Term 1  
Instructor: Harry Nelson  
Course Name: Sustainable Forest Policy  
Total No. Required: 2 or 3 GTA

Required Qualifications:
- Undergraduate degree in a related field.
- Educational or practical experience with forest policy in BC and other jurisdictions.
- Ability to work independently.
- Experience in marking, especially essay writing.

Description of General Nature of Duties:
- Attend class, hold office hours to advise students.
- Assist in marking essays and exams.
- Coordinate and provide logistical support for class simulation.

Hours Allotted: 6 hours work per week for 16 weeks (96 hours) depending on budget and enrolment

Course No.: FRST 422 - Term 1  
Instructor: Greg Paradis  
Course Name: Mathematical Modelling in Forest Resource Analysis  
Total No. Required: 1 GTA

Required Qualifications:
- Excellent written and oral communication skills.
- In depth knowledge of forest management issues, ethics, policy and certification.
- Excellent quantitative skills in forest management planning, including experience compiling and running landscape-level forest estate models (e.g., Patchworks, FPS-Atlas, Woodstock, etc.)
- Strong GIS skills in manipulating spatial forest datasets (stands, roads, streams, DEM, administrative boundaries etc.).
- Knowledge of stand-level growth and yield models used in BC (e.g., TASS/TIPSY, VDYP, etc.)

Description of General Nature of Duties:
- Evaluation of academic and technical written materials and verbal presentations.
- Coaching students with literacy or public speaking challenges.
- Using specialized software tools to prepare spatially explicate forest harvest scheduling models for use in the course.
- Handling student enquiries on forest management planning, stand-level-modelling, GIS and other models presented in class and during laboratory periods.

Hours Allotted: 12 hours per week for 16 weeks (192 hours total) depending on budget and enrolment

Course No.: FRST 430 - Term 1  
Instructor: Bianca Eskelson  
Course Name: Advanced Biometrics  
Total No. Required: 3 GTA

Required Qualifications:
As this is a senior class in applications in statistics, the requirements are:
Job Posting: Teaching Assistants
2019-2020 (Term 2)

- 85% or better in FRST 430/533 or equivalent course in linear models (applied regression and experimental design).
- Excellent teaching skills.

**Description of General Nature of Duties:**
- Assist with development of assignments by pre-viewing assignments prepared by the instructor.
- Provide assistance to students in completing assignments, and projects, during scheduled lab times and/or office hours.
- Marking assignments.

**Hours Allocated:** 6 hours work per week for 16 weeks (128 hours) depending on budget and enrolment

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**Course No.:** FRST 497  
**Instructor:** Gary Bull

**Course Name:** Graduating Essay or Technical Report  
**Total No. Required:** 2 GTA

**Required Qualifications:**
- Outstanding technical communication skills
- Applied sciences, Biology, Forestry

**Description of General Nature of Duties:**
- Marking written materials and verbal presentations
- Handling student inquiries
- Coaching students with literacy challenges

**Hours Allocated:** 12 hours work per week for 16 weeks (192 hours) depending on budget and enrolment

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**Course No.:** FRST 556 - Term 1  
**Instructor:** Valerie LeMay

**Course Name** Land Information Acquisition and Analysis  
**Total No. Required:** 1 GTA

**Required Qualifications:**
- Completion of undergraduate level biometrics and statistics courses with high grades.
- Field experience in forest measurements.
- Experience with ArcGIS and statistical software (SAS). Interest in teaching.
- Capable of working well with graduate students. Good communication skills.
- Willingness to travel out of town several times during the term, including weekends.

**Description of General Nature of Duties:**
- Lecture and lab preparation. Photocopying as needed.
- Assistance with inside lab exercises. Supervision of student field exercises. Grading lab reports.

**Hours Allocated:** 6 hours per week for 16 weeks (128 hours) depending on budget and enrolment
Course No.: FRST 557 - Term 1  
Instructor: Deb Delong/Bruce Larson/Hamelin  
Course Name: Site-Level Forest Land Management  
Total No. Required: 1 GTA  

Required Qualifications:  
- Completion of undergraduate level silviculture and operations courses with high grades.  
- Field experience in forest measurements and site diagnosis. Interest in teaching.  
- Capable of working well with graduate students. Good communication skills. Class 4 drivers license (preferred)  
- Willingness to travel out of town several times during the term, including weekends.  

Description of General Nature of Duties:  
- Lecture and lab preparation. Photocopying as needed. Assistance with inside lab exercises.  
- Supervision of student field exercises. Grading lab reports.  

Hours Allotted: 12 hours per week for 16 weeks (192 hours) depending on budget and enrolment

Course No.: GEM 510 – Term 1  
Instructor: Mike Meitner  
Course Name: GIS for Forestry and Conservation  
Total No. Required: 1 GTA  

Required Qualifications:  
- Graduate Student [Preferably PhD Candidate] with experience in GIS and spatial data analysis  
- Excellent verbal and written skills  
- Strong organizational skills  
- In depth understanding of ArcMAP

Description of General Nature of Duties:  
- Run laboratory exercises on GIS  
- Assists students in lab sessions  
- Grading assignments  
- Coordinating class organization and communication  

Hours Allotted: 12 hours/week for 16 weeks

Course No.: GEM 520 – Term 1  
Instructor: Nicholas Coops  
Course Name: Remote Sensing for Ecosystem Management  
Total No. Required: 1 GTA  

Required Qualifications:  
- Graduate Student [Preferably PhD Candidate] with experience in remote sensing and spatial data analysis  
- Excellent verbal and written skills  
- Strong organizational skills  
- In depth understanding of ENVI

Description of General Nature of Duties:  
- Run laboratory exercises on remote sensing
Job Posting: Teaching Assistants
2019-2020 (Term 2)

Course No.: GEM 530 – Term 1
Instructor: TBA
Course Name: Geospatial Data Analysis
Total No. Required: 1 GTA

Required Qualifications:
- Graduate Student [Preferably PhD Candidate] with experience in spatial data analysis and databases
- Excellent verbal and written skills
- Strong organizational skills
- In depth understanding of R and Python

Description of General Nature of Duties:
- Run laboratory exercises on R, Python
- Assists students in lab sessions
- Grading assignments
- Coordinating class organization and communication

Hours Allotted: 12 hours/week for 16 weeks

Course No.: GEM 540 – Term 1
Instructor: Bianca Eskelson
Course Name: Linear Regression Models and Introduction to Spatial Statistics
Total No. Required: 2 GTA

Required Qualifications:
- Graduate Student [Preferably PhD Candidate] with experience with statistics and spatial statistics
- Excellent verbal and written skills
- Strong organizational skills
- In depth understanding of R

Description of General Nature of Duties:
- Run laboratory exercises on R
- Assists students in lab sessions
- Grading assignments
- Coordinating class organization and communication

Hours Allotted: 6 hours/week for 16 weeks

Course No.: GEM 580 – Term 1
Instructor: TBA
Course Name: Geoinformatics Seminar Series
Total No. Required: 1 GTA

Required Qualifications:
- Graduate Student [Preferably PhD Candidate] with experience in geomatics in industry

Hours Allotted: 12 hours/week for 16 weeks
DEPARTMENT OF FOREST RESOURCES MANAGEMENT

Job Posting:  Teaching Assistants
2019-2020 (Term 2)

- Excellent writing, analytical, and editing skills
- Strong organizational skills

Description of General Nature of Duties:
- Coordinate MGEM seminar series
- Grading assignments
- Coordinating class organization and communication

Hours Allotted:  12 hours/week for 16 weeks

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Course No.:  GEM 599 – Term 1  Instructor:  Ryan Frazier
Course Name:  Project Proposal Development and Proof of Concept  Total No. Required:  1 GTA

Required Qualifications:
- Graduate Student [Preferably PhD Candidate] with experience in essay writing and proposal development
- Excellent writing, analytical, and editing skills
- Strong organizational skills

Description of General Nature of Duties:
- Assist students with proposal development
- Grading assignments
- Coordinating class organization and communication

Hours Allotted:  6-12 hours/week for 16 weeks

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Course No.:  UFOR 100- Term 1  Instructor:  Cecil Konijnendijk
Course Name  Greening the city: Introduction to Urban Forestry  Total No. Required:  2 GTA

Required Qualifications:
- Knowledge of urban forestry, urban design, and urban ecology concepts, and/or experience with community forestry, horticulture, arboriculture, or landscape and recreation planning/management
- Excellent writing & communications skills

Description of General Nature of Duties:
- Assisting students with group projects
- Grading assignments
- Coordinate field trips and in-class activities

Hours Allotted:  12 hours per week for 16 weeks depending on budget and enrolment

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Course No.:  UFOR 200- Term 1  Instructor:  Matilda Van Den Bosch
Course Name  Urban Forestry and Well Being  Total No. Required:  2 GTA(s)

Required Qualifications:
- Knowledge of urban forestry, public health, recreation, and psychology, particularly how urban forests relate to human health and well-being.
- Excellent writing & communication skills

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DEPARTMENT OF FOREST RESOURCES MANAGEMENT

Job Posting: Teaching Assistants
2019-2020 (Term 2)

Description of General Nature of Duties:
- Assisting instructor with organizing lectures, field trips, and other course-related activities.
- Grading assignments.

Hours Allocated: 2 GTAs for 12 hours per week each for 16 weeks depending on budget and enrolment

Course No.: LARC 316/UFOR 316 - Term 1  
Instructor: TBD

Course Name: Trees and Shrubs in the Landscape  
Total No. Required: 1 GTA

Required Qualifications:
- Knowledge of common trees and shrubs in BC, particularly their characteristics and suitability in local landscape
- Knowledge of cultural and maintenance requirements of species that are common in BC
- Excellent writing and communication skills
- Strong organizational skills

Description of General Nature of Duties:
- Assist students with online discussions and field trips
- Coordinate labs, exercises, etc.
- Grade assignments.

Hours Allocated: 12 hours work per week for 16 weeks (192 hours) depending on budget and enrolment