

THE UNIVERSITY OF BRITISH COLUMBIA
Department of Biochemistry and Molecular Biology
Teaching Assistantship Positions
for 2024 - 2025 Winter Session

Date of Posting: April 24, 2024

BIOC 202 – Term 2

2 Positions at 0.52 FTE each

Qualifications

Applicants must have completed and passed course work equivalent to at least BIOC 303 and be (or expect to be) holders of a bachelor's or master's degree in a relevant discipline and be full-time graduate students.

Position #1: Piazza TA Duties

- 1) Attend lectures
- 2) Monitor and answer questions on Piazza board for ~500 students
- 3) Invigilate midterms and 1 final exam
- 4) Marking exams

Position #2: Tutorial TA Duties

- 1) Attend lectures
- 2) Prepare tutorial or review sessions
- 3) Deliver tutorial or review sessions
- 4) Invigilate midterms and final exam
- 5) Marking exams

BIOC 203 – Term 2

3 Positions at 0.52 FTE each

Qualifications

Applicants must have completed and passed course work equivalent to at least BIOC 303 and be (or expect to be) holders of a bachelor's or master's degree in a relevant discipline and be full-time graduate students.

Duties

- 1) Attend lectures
- 2) Prepare tutorial or review sessions
- 3) Deliver tutorial or review sessions
- 4) Marking assignments and exams
- 5) Invigilate midterms and final exam

BIOC 301 – Term 1 and 2

8 positions at 0.48 FTE each

Qualifications

Applicants must have completed and passed course work equivalent to at least BIOC 301 and 303 and be (or expect to be) holders of a bachelor's or master's degree in a relevant discipline and be full-time graduate students.

Duties

- 1) Prepare course: pre-course meetings, review course material
- 2) Attend lectures and labs
- 3) Grading assignments/lab reports
- 4) Monitor and answer piazza posts, communicate with students by email etc.
- 5) Grading exams
- 6) Invigilate departmental final exam

BIOC 302 – Term 1 and 2

2 TA positions at 0.49 FTE each

Qualifications

Applicants must have completed and passed course work equivalent to at least BIOC 302, be (or expect to be) holders of a bachelor's or master's degree in a relevant discipline and be full-time graduate students working under the supervision of a faculty member at the University of British Columbia.

Duties

- 1) Prepare course: pre-course meetings, review course material
- 2) Attend lectures
- 3) Prepare tutorial or review sessions
- 4) Deliver tutorial or review sessions
- 5) Marking assignments and midterms
- 6) Marking final exam
- 7) Invigilate mid-terms and final exam
- 8) View mid-terms

BIOC 303 – Term 1

1 Position at 0.39 FTE

Qualifications

Applicants must have completed and passed course work equivalent to at least BIOC 303 and be (or expect to be) holders of a bachelor's or master's degree in a relevant discipline and be full-time graduate students.

Duties

- 1) Review course material with course chair
- 2) Attend 18 lectures (1 hour each)
- 3) Prepare tutorial or review sessions
- 4) Deliver 6 tutorial sessions (1 hour each)
- 5) Marking assignments/practice questions
- 6) Marking exams
- 7) Invigilate final exam

BIOC 402 – Term 1

2 Positions at 0.48 FTE each

Qualifications

Applicants who are pursuing graduate research in a protein biochemistry or structural biology laboratory and must be holders of a Bachelor or Master degree in the current graduate programs and be full-time graduate students working under the supervision of a faculty member at the University of B.C. Strong background in protein structure and function, and competence in using protein structural analysis programs such as PyMol and Chimera are preferred.

Duties

- 1) Prepare course: pre-course meetings, review course material
- 2) Attend lectures
- 3) Prepare and conduct drop-in tutorial sessions
- 4) Grading mid-term exams and final exams
- 5) Invigilate mid-term exams
- 6) View mid-term exams
- 7) Invigilate final exam

BIOC 410 – Term 1

2 Positions at 0.48 FTE each

Qualifications

Applicants must have completed and passed course work equivalent to at least BIOC 410, be (or expect to be) holders of a bachelor's or master's degree in a relevant discipline and be full-time graduate students working under the supervision of a faculty member at the University of British Columbia.

Duties

- 1) Prepare course: pre-course meetings, review course material
- 2) Prepare tutorial or review sessions

- 3) Conduct tutorial or review sessions
- 4) Grading assignments and exams
- 5) Invigilate mid-term exams
- 6) Invigilate final exam

BIOC 420 – Term 1

2 Positions at 0.57 FTE each

Qualifications

Applicants must have completed and passed course work equivalent to at least BIOC 420, have completed a bachelor's or master's degree in a relevant discipline and be a full-time graduate student at the University of British Columbia.

Duties

- 1) Prepare course: pre-course meetings, review course material
- 2) Attend labs
- 3) Grading lab reports
- 4) Invigilate departmental final exam

BIOC 421 – Term 2

3 Positions at 0.54 FTE each

Qualifications

Applicants must have completed and passed course work equivalent to at least BIOC 421, have completed a bachelor's or master's degree in a relevant discipline and be a full-time graduate student at the University of British Columbia.

Duties

- 1) Prepare course: pre-course meetings, review course material
- 2) Attend labs
- 3) Grading lab reports
- 4) Answer student questions on discussion board
- 5) Invigilate departmental final exam

BIOC 430 – Term 2

1 position at 0.15 FTE

BIOC 430 is a brand-new course being offered to our Biochemistry undergraduate students this year. This is an advanced protein structure course, with an emphasis on both theory and hands-on approaches to solving structures. We are looking for a graduate student to join the inaugural

teaching team who is comfortable with helping the students with the hands-on exercises they will do during class time.

Special Qualifications: Advanced understanding of protein biochemistry, familiarity with COOT, molecular replacement methods (Phaser), model refining (implemented in CCP4 and/or Phenix), and X-Ray crystallography model refinement. An understanding of cryoEM data processing approaches and model building software: CryoSparc, Relion, and Chimera.

Students will be working with both Mac and PC laptops in class, so confidence in helping students install and use these programs on different operating systems would be a great asset.

Duties

- 1) Attend lectures
- 2) Conduct tutorial or review sessions
- 6) Grading exams
- 7) Invigilate mid-term exam
- 8) Invigilate departmental final exam

BIOC 470 – Term 2

4 Positions at 0.52 FTE each

Qualifications

Applicants must have completed a bachelor's or master's degree in a relevant discipline and be a full-time graduate student at the University of British Columbia. Applicants should have good communication skills and enjoy facilitating student discussions.

Duties

- 1) Attend pre-course meeting
- 2) Prepare sessions for problem-based learning
- 3) Facilitate sessions for problem-based learning
- 4) Grading problem-based learning and assignments
- 5) Answering questions via e-mail and conduct 1-on-1 meetings
- 6) Invigilate departmental final exam

Application

Please submit a complete application form along with a paragraph outlining your background (and your transcript, if you have never held a TA position in the BMB department) to ta.biocaps@ubc.ca by June 30. Please ensure to include a course name you are applying for in your email subject line. (e.g. BIOC 301 Application) You may indicate your course preference in your email.

UBC hires on the basis of merit and is committed to employment equity. All qualified persons are encouraged to apply. UBC is strongly committed to diversity within its community and especially welcomes applications from visible minority group members, women, Aboriginal persons, persons with disabilities, persons of any sexual orientation or gender identity, and others who may contribute to the further diversification of ideas. Canadians and permanent residents of Canada will be given priority.