The Faculty of Health Sciences will be accepting TA/TM applications for the Fall Semester 2019 from **June 24 to July 8, 2019 at 23:59.**

Listed below are courses that will have tutorials and the courses that might require marking support. All courses will take place on the Burnaby campus unless otherwise noted.

**HSCI courses with tutorials that will need TA support:** 100 (BBY and SUR), 130 (BBY and SUR), 214, 215, 307, 319W, 801, and 802

**Lab HSCI courses that will need TA support:** 424/890 and 440

**HSCI courses that might need TA marking support:** 120 (BBY and SUR), 160, 170, 180, 304, 305, 312, 323, 324, 330, 340, 402, 410, 432, 478, 835 and 900

**Online HSCI course that will need TM support:** 460

**Course Specific Information**

**HSCI 319 W:** TAs for this course are expected to be familiar with and able to engage critically with ethical theories including consequentialism, deontology, and principlism. This is a writing-intensive course that will require TAs to provide constructive feedback on students' written work. Successful TAs should be prepared to offer support to students engaging with ethical theory for the first time and writing argumentative papers supporting specific policy responses to ethical issues in public health.

**HSCI 440:** The TA for this course will need to have extensive experience in a biomedical research lab beyond coursework. At a minimum the candidate will need to demonstrate that they have at least 1 full year of graduate level experience in a biomedical laboratory pursuing independent research. Specific laboratory skills that are required include running molecular biology experiments (e.g., RNA extractions, cDNA synthesis, PCR, qPCR, running agarose gels), biochemistry (e.g., protein assays, protein solubilization, SDS-PAGE, western blots, ELISAs), cell biology (e.g., tissue culture, microscopy, cell based assays) and data analysis (e.g., statistical tests, graphing, ImageJ, Excel). The candidate must also have a scientific background in cell death, apoptosis and/or cell differentiation, cell migration. Previous teaching experience will be an asset. The individual will need to be able to quickly troubleshoot problems in during the laboratory and provide live impromptu demonstrations during class.

**HSCI 801:** TAs for this course are expected to be very familiar with concepts, calculations and nomenclature used in statistics. The course covers descriptive and graphical methods, probability distributions, estimation and hypothesis testing for means and proportions, inference for contingency tables and odds ratios as well as regression analysis including multiple linear regression. Successful TAs will oversee two hours of computer lab per week, where they will teach students how to use R to perform common statistical analysis, interpret the results and report the conclusion using the theory learned in lecture classes. In addition, TAs should be
prepared to offer support to students with exercises and assignments on a weekly basis in a one hour tutorial as well as help with the correction of graded assignments and exams.

**HSCI 802:** The TA for this course is required to have strong background in epidemiology, including strong understanding of statistical measures of disease occurrence and association, epidemiological study design, directed acyclic graphs, validity and precision, confounding and effect modification, and critical appraisal of epidemiologic literature. The TA is also expected to have strong communication and teaching skills to design and run a two-hour tutorial session every week, in which they review the concepts introduced in lectures, do some practice problems, and occasionally lead a journal club. Additional tasks include invigilating the exams, marking students’ exams and papers, and responding to students’ questions regarding the course content and test results.

**Important!** Please review the Fall 2019 Course Schedule to check that you don't have time conflicts between courses in which you are enrolled and those you wish to TA.

Appointment dates are September 3 - December 20, 2019.

First day of classes is September 3, and the exam period ends December 16.

TA and Marking offers will be made on the week of **July 22, 2019.** Successful applicants will be notified by email. Because of short time lines, only successful applicants will be contacted.

Many departments include a wide range of specializations and, in order to be appointed, a person must have sufficient knowledge of the course to interpret the course material. Qualifications for the TA/TM positions in HSCI courses include experience with course subject matter obtained either via successful coursework completed in the area or direct practical experience. Course subject matter can be found described in the SFU calendar: [http://www.sfu.ca/students/calendar/2019/fall.html](http://www.sfu.ca/students/calendar/2019/fall.html)

Qualified TAs/TMs will also have demonstrated proficiency in English communication skills, both oral and written.

Applicants will not be considered for a position in a course in which they are currently enrolled.

**Please note:** Applicants have the option of ranking specific course as preferred. Instructors will first review applications that have ranked their course as preferred; in the event that no job offer is made based on applicant preferences, instructors will then begin to review applications that have not ranked their course.

To apply visit [https://taapp.fhs.sfu.ca/apply](https://taapp.fhs.sfu.ca/apply)
As part of the online application process you will be required to upload your cover letter/CV, transcript, and study/work permit (if applicable) as PDF documents. Please have these documents ready before starting the application process. Once your application has been finalized you will be notified by email to confirm that we have received it.