



**FACULTY OF ARTS & SCIENCE**  
**Course Instructor – CUPE 3902, Unit 1**  
**May 1, 2021 – June 30, 2021**

**STA237H1F L5101 – Probability, Statistics and Data Analysis I**

An introduction to probability using simulation and mathematical frameworks, with emphasis on the probability needed for more advanced study in statistical practice. Topics covered include probability spaces, random variables, discrete and continuous probability distributions, probability mass, density, and distribution functions, expectation and variance, independence, conditional probability, the law of large numbers, the central limit theorem, sampling distributions. Computer simulation will be taught and used extensively for calculations and to guide the theoretical development.

**Qualifications**

A Master's or PhD (in progress) degree in Statistics, Applied Statistics, Actuarial Science, Biostatistics or related discipline. Prior experience teaching at the university level. Prior experience teaching STA237H1 or a similar course an asset. Note: Applicants may be asked to supply references. First consideration will be given to full-time graduate students at the University of Toronto.

**Duties**

Teaching; setting and invigilating term tests and final examinations; reporting final grades; counseling students; supervising teaching assistant(s).

<b>Estimated Course Enrolment:</b>	200
<b>Class Schedule:</b>	Lecture: Tuesdays, 6pm-9pm & Thursdays, 6pm-9pm; Tutorial: Tuesdays, 5pm-6pm & Thursdays, 5pm-6pm
<b>Approximate Number of TA Hours:</b>	300 hours
<b>Salary:</b>	\$8,219.16 (including 4% vacation pay)

Final availability of the position(s) is contingent upon enrolment, budgetary consideration and the determination of appointments as governed by the collective agreement.

**Application Process**

Application information is available at <https://www.statistics.utoronto.ca/employment-opportunities/cupe-positions-unit-1>. Please submit a cover letter, C.V. (including previous teaching evaluations (if applicable)), and the names of two references by **April 2, 2021**. Please submit completed application packages to:

**Priya Sivathason**  
700 University Avenue, Room 9160-6  
Toronto, Ontario, M5G 1Z5  
E-mail: [job-apps@utstat.utoronto.ca](mailto:job-apps@utstat.utoronto.ca)

If during the application and/or selection process you require accommodation due to a disability, please contact [job-apps@utstat.utoronto.ca](mailto:job-apps@utstat.utoronto.ca).

This job is posted in accordance with the CUPE 3902 Unit 1 Collective Agreement. The Departmental Hiring Policy is available in the Department office and in the CUPE Local 3902 office. The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ persons, and others who may contribute to the further diversification of ideas. **Note:** Although a graduate student's preference as to the campus location of his/her TA appointment will be taken into account, both the initial TA appointment (or CI appointment) and the subsequent appointment obligation related to that appointment may be met through position(s) on any one of the three University of Toronto campuses (UTM, UTSC or St. George) in courses in the same discipline as the initial appointment. TAs will only be assigned to courses in fields in which they are or should be qualified to assist. Duties of this position shall be performed at the campus on which the position is located. Where the duties are intended to be performed at another location, such other location will be specified in the posting.