



**FACULTY OF ARTS & SCIENCE**  
**Teaching Assistant – CUPE 3902, Unit 1**  
**January 1, 2021 - April 30, 2021**

**STA447H1/STA2006HS L5101 & L2501 – Stochastic Processes**

Discrete and continuous time processes with an emphasis on Markov, Gaussian and renewal processes. Martingales and further limit theorems. A variety of applications taken from some of the following areas are discussed in the context of stochastic modeling: Information Theory, Quantum Mechanics, Statistical Analyses of Stochastic Processes, Population Growth Models, Reliability, Queuing Models, Stochastic Calculus, Simulation (Monte Carlo Methods).

**Qualifications**

Academic background in Statistical Sciences. PhD student (or graduate) in actuarial science, statistics or biostatistics.

**Duties**

Your duties will include any or all of the following: grading term tests, invigilating term tests and final exams, grading homework and/or quizzes, setting tutorial quizzes.

<b>Instructor:</b>	TBA
<b>Estimated Course Enrolment:</b>	200
<b>Meeting Schedule:</b>	<b>Lectures:</b> Thursdays, 6pm-9pm; <b>Tutorials:</b> N/A
<b>Approximate Number of TA Hours:</b>	75 hours (per position)
<b>Approximate Number of Positions:</b>	1
<b>Rate of Pay:</b>	UG/SGS I/II - \$46.24/hour (+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>. The deadline to submit your application is **July 17, 2020**. For more information, you may contact:

**Priya Sivathason**  
Sidney Smith Hall, Room SS 6025  
100 St. George Street  
Toronto, ON M5S 3G3  
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.