STA286H1S L0102 – Probability & Statistics
A course in probability and statistics for Engineering Science students focusing on building solid probabilistic and statistical foundations. Topics include: sample space, events, definitions of probability, conditional probability, Bayes’ theorem, important classes of discrete and continuous random variables and their distributions, joint, conditional, and marginal distributions, expectation, moment generating and characteristic functions, transformations of random variables, central limit theorem and approximations. Graphical methods, quantile plots, point and interval estimation of population parameters, method of maximum likelihood. Hypotheses testing, simple and multiple regression, correlation analysis, and introduction to Bayesian statistics. Minitab software is used to solve some assignment problems in the course.

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

Duties
Any or all of the following: grading term tests, invigilating term tests and final exams, grading homework and/or quizzes, setting tutorial quizzes.

Instructor: TBA
Estimated Course Enrolment: 110 students
Class Schedule: Monday 12:00-1:00, Tues 9:00am-10:00, Wed 1:00-2:00
Approximate Number of TA Hours: 53 hours
Approximate Number of positions: 1
Rate of Pay: SGS I and SGS II rate and Undergraduate rate $43.65 per hour in accordance with the CUPE, Local 3902 Unit 1, Collective Agreement

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

Application Process
Please submit an application form by August 17, 2017 The application is available online at: http://www.utstat.toronto.edu/wordpress/wp-content/uploads/2012/09/WRITEABLEPDF-TA-Application-25SEP2012.pdf. Please submit completed application forms to the Departmental Office, SS 6018 or to:

Jamie Strafford
Sidney Smith Hall, 100 St. George Street
Toronto, ON M5S 3G3
Email: ea-stats@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.