



## **EMERGENCY TA Job Posting: Summer 2024 APS1070H - Foundations of Data Analytics and Machine Learning**

This job is posted in accordance with the CUPE 3902 Unit 1 Collective Agreement.

**Job Posting Date:** April 8, 2024

**Application Deadline:** April 17, 2024

### Course Description:

APS1070 is a prerequisite to the core courses in the Emphasis in Analytics. This course covers topics fundamental to data analytics and machine learning, including an introduction to Python and common packages, probability and statistics, matrix representations and fundamental linear algebra operations, basic algorithms and data structures and continuous optimization. The course is structured with both weekly lectures and tutorials/help sessions.

### Schedule:

May 1 – July 30 | Lecture: Wed, 6-9pm Tutorial: Thur, 4-6pm

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**Head TA Position** | up to 120 hours (1 position)

**Duties:** Tutorial prep, Q and A with students, Piazza support, midterm and final grading, project grading, updating projects, coordination and admin of TAs, exams and Crowdmark and other duties as assigned by instructor

Must be available for tutorial and help sessions, Thursdays 4-6pm, in-person.

**Minimum qualifications:** TA experience in similar topics related to APS1070 (machine learning, analytics, python)

**Preferred Qualifications:** Must have the ability to clearly explain data science concepts and have a proficiency in Python.

Must be creative, organized and capable of working independently. Must demonstrate strong leadership and have supervised others and have experience with Crowdmark.

TA experience in APS1070

**Relevant Criterion:** Previous experience is the more relevant criterion in respect of the posted position.

**Marker/Tutor Position | up to 70 hours (2 positions)**

Tutorial prep, tutorial support, Q and A with students, Piazza support, midterm and final grading, project grading

Must be available for tutorial and help sessions, Thursdays 4-6pm, in-person.

**Minimum Qualifications:** TA experience as a tutor/marker

**Preferred Qualifications:** Proficiency in Python and manipulating large datasets. Understanding of, and interest in, data science. Must be capable of working independently. Must have strong communication skills. TA experience in APS1070 an asset.

**Relevant Criterion:** Previous experience is the more relevant criterion in respect of the posted position.

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Rate of Pay: Current TA rates: U/G: \$51.93 /hour; SGS I: \$51.93/hour; SGS II: \$51.93/hour

**Date of Appointment:** May - August

For more information about this course, see

<https://gradstudies.engineering.utoronto.ca/professional-degrees/emphasis-in-analytics/>

APS1070 TAs will update student projects, tutor students in tutorials and help sessions, provide guidance to students in the course Q&A forum (and via email), and mark projects and evaluations.

Notes:

1. TA position and hours posted are tentative, pending final course determination and enrollment.
2. The Vice-Dean of Graduate Studies in the Faculty of Applied Science & Engineering has the sole authority to offer the above TA positions.
3. CUPE 3902 Unit 1 Collective Agreement is available at <http://agreements.hrandequity.utoronto.ca>.

To apply for a TA position, please submit your application (cover letter and CV as single PDF file) through this [form](#) by **April 17, 2024 – if the link does not work, please email your application to [d.duong@utoronto.ca](mailto:d.duong@utoronto.ca)**

*If you cannot access the form, please submit your Cover letter and CV as a single PDF file directly to [gradstudies@engineering.utoronto.ca](mailto:gradstudies@engineering.utoronto.ca). Please also indicate which role you are applying for.*

*Please note that should rates stipulated in the collective agreement vary from rates stated in this posting, the rates stated in the collective agreement shall prevail. Please note that the above course/position is tentative, pending final course determination and enrolments. The Faculty's hiring policy is available in the Faculty office and at the CUPE, Local 3902 office. In accordance with the Employment Equity Policy, the University of Toronto encourages applications from qualified women and men, members of visible minorities, aboriginal peoples, and persons with disabilities*

