**EMERGENCY TA Job Posting: 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: **July 8, 2021**  
Application Deadline: **July 19, 2021**

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**Estimated course enrollment:** ~150

**Course Description:**  
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 – this course will be delivered online.

**Fall 2021 Positions:**

**Fall Schedule:**  
**Lec 1:** Tues. 9-12pm | **Lec 2:** Tues. 5-8pm | **Tut 1:** Thurs. 9-11am | **Tut 2:** Thurs 5-7pm

**Head TA:** 105 hours (1 position)

**Duties:**  
The head APS1070 Teaching Assistant will offer project tutorials, participate in help sessions, update/create course materials, respond to student questions (emails and Q&A forum) and oversee marking.

**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 TA experience.

Must be able to be recorded on video if necessary, as part of online course delivery and support to students.

**Relevant Criterion:** Previous experience is the more relevant criterion in respect of the posted position.
**Tutor/Marker:** 64 hours (2 positions)

**Duties:**
APS1070 Tutor/Markers will tutor students in help sessions, respond to student questions (emails and Q&A forum) and mark course projects and other evaluations.

**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.

Must be able to be recorded on video if necessary, as part of online course delivery and support to students.

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

**Date of Appointment:** Sept 2021 – Dec 2021

**Winter 2021 Positions:**

**Winter Schedule:** *Lec 1:* Tues. 12-3pm | *Lec 2:* Wed. 9-12pm | *Tut 1:* Thurs. 1-3pm | *Tut 2:* Fri. 9-11am

**Head TA:** 105 hours (1 position)

**Duties:**
The head APS1070 Teaching Assistant will offer project tutorials, participate in help sessions, update/create course materials, respond to student questions (emails and Q&A forum) and oversee marking.

**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 TA experience.

Must be able to be recorded on video if necessary, as part of online course delivery and support to students.

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**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.

Must be able to be recorded on video if necessary, as part of online course delivery and support to students.

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

**Date of Appointment:** Jan 2021 – April 2021

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**Rate of Pay:** Current TA rates: U/G: $46.70/hour; SGS I: $46.70/hour; SGS II: $46.70/hour

For more information about this course, see [https://gradstudies.engineering.utoronto.ca/professional-degrees/elite-emphasis/](https://gradstudies.engineering.utoronto.ca/professional-degrees/elite-emphasis/)

**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.hrlandequity.utoronto.ca](http://agreements.hrlandequity.utoronto.ca).

To apply for a TA position, please submit your application via this [form](https://form.app). If this link does not work please email your application (CV and Resume as a SINGLE PDF FILE) directly to David Duong d.duong@utoronto.ca by **July 19, 2021**
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, LGBTQ2S+ persons, and others who may contribute to the further diversification of ideas.

Candidates who are members of Indigenous, Black, racialized and LGBTQ2S+ communities, persons with disabilities, and other equity seeking groups are encouraged to apply, and their lived experience shall be taken into consideration as applicable to the position.

The University strives to be an equitable and inclusive community, and proactively seeks to increase diversity among its community members. Our values regarding equity and diversity are linked with our unwavering commitment to excellence in the pursuit of our academic mission. The University is committed to the principles of the Accessibility for Ontarians with Disabilities Act (AODA). As such, we strive to make our recruitment, assessment and selection processes as accessible as possible and provide accommodations as required for applicants with disabilities. If you require any accommodations at any point during the application and hiring process, please contact uoft.careers@utoronto.ca. During employment, to request accommodation from the University, contact the supervisor or department chair and/or Health & Wellbeing Programs & Services at hwb@utoronto.ca. For more information about accommodations at U of T, please visit our Accommodation webpage.

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.

“The hiring Criteria for Teaching Assistant positions are academic qualifications, the need to acquire experience, previous experience and previous satisfactory employment under the provisions of this Collective Agreement.” OR “The hiring criteria for Course Instructors positions are academic qualifications, the need to acquire experience, previous teaching experience and previous satisfactory employment under the provisions of this Collective Agreement.” (as applicable)

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

Positions posted here are open to Graduate Students in the School of Graduate Studies, Postdoctoral Fellows and Undergraduate Students in the University of Toronto.

FOR TA’s ONLY: Preference in hiring shall be given to Graduate Students enrolled in the School of Graduate Studies of the University of Toronto or those who have made application to be enrolled in the School of Graduate Studies of the University of Toronto.