Winter 2020 TEACHING ASSISTANTSHIP SUPPLEMENTAL POSTING

School of Continuing Studies
McGill University
688 Sherbrooke West, 10th floor
Montreal, Qc., H3A 3R1

The application form is available at TA Application Form. Please include your McGill ID on the form.

Email the completed application form and resume to pd.conted@mcgill.ca no later than January 6th, 2020 9:00AM.

Please indicate in the subject line “TA application for name of course you are applying for”

Announcements are considered tentative pending final determination of course offerings and enrolments.

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<thead>
<tr>
<th>Title</th>
<th>Description</th>
<th>Course Instructor</th>
<th>Positions</th>
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<td>YCBS 257</td>
<td>Data at Scale</td>
<td>TBA</td>
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<td>Statistical Machine Learning</td>
<td>TBA</td>
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<td>YCBS 255</td>
<td>Practical Machine Learning</td>
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<td>YCBS 258</td>
<td>Data Science Capstone</td>
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<td>YCBS 256</td>
<td>Data Science for Business Decisions</td>
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Salary: $29.33 per hour
**Duties:**
Grading of exams and other course components; consultation with course instructor; assistance in the preparation of course materials and required readings for the course; offering office hours and conferences to help students.

**Qualifications Required for YCBS 255:**
Must be a graduate student in engineering, computer science, math or other related field
Prior (graduate or undergraduate) study in the subject matter of the course; strong overall academic performance; strong teaching skills.
Proficiency in:
- Python – advanced

**Qualifications Required for YCBS 258:**
Must be a graduate student in engineering, computer science, math or other related field
Prior (graduate or undergraduate) study in the subject matter of the course; strong overall academic performance; strong teaching skills.
Must have knowledge of statistics, linear algebra, experimentation workflow and data wrangling.
Proficiency in:
- Python, NumPy, pandas and scikit-learn
- Use of TensorFlow or Keras (caffe, pytorch, torch, mxnet)
- Deep Learning skills would be an asset

**Qualifications Required for YCBS 257:**
Must be a graduate student in engineering, computer science, math or other related field
Prior (graduate or undergraduate) study in the subject matter of the course; strong overall academic performance; strong teaching skills.
Proficiency in:
- Python - intermediate to advanced
- Linux - advanced
- SQL - intermediate
- Java – intermediate
- Hadoop
- Knowledge of Google Cloud Platform is an asset

**Qualifications Required for YCBS 299:**
Must be a graduate student in engineering, computer science, math or other related field
Prior (graduate or undergraduate) study in the subject matter of the course; strong overall academic performance; strong teaching skills.
Proficiency in:
- Data analysis – intermediate to advanced
- Statistics ( descriptive statistics, correlation, covariance) – intermediate to advanced
- Python – intermediate to advanced
- Anaconda, TensorFlow, Keras – intermediate
- Machine Learning (decision trees, ensemble methods, neural networks) – intermediate
- Tableau – an asset
- Alteryx – an asset
- Google Cloud platform – an asset
Qualifications Required for YCBS 256:

Must be a graduate student in engineering, computer science, math or other related field

Prior (graduate or undergraduate) study in the subject matter of the course; strong overall academic performance; strong teaching skills.

Proficiency in:

- Data analysis and modelling – intermediate to advanced
- Tableau – an asset
- Alteryx – intermediate
- Google Cloud Platform – an asset
- Machine Learning – an asset