Fall 2019 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](#)

Email the completed application form to pd.conted@mcgill.ca no later than September 9th, 2019 9:00AM.

Please indicate in the subject line “TA application for YCBS 255,256,257,258,299”

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

<table>
<thead>
<tr>
<th>Title</th>
<th>Description</th>
<th>Course Instructor</th>
<th>Positions</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>YCBS 257</td>
<td>Data at Scale</td>
<td>Khaled El Tannir</td>
<td>1</td>
<td>50</td>
</tr>
<tr>
<td>YCBS 255</td>
<td>Statistical Machine Learning</td>
<td>Damoon Robatian/ Mouloud Belbahri</td>
<td>2</td>
<td>50</td>
</tr>
<tr>
<td>YCBS 258</td>
<td>Practical Machine Learning</td>
<td>TBA</td>
<td>1</td>
<td>50</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Nabil Beitinjaneh/Alejandro Gutierrez Lopez</td>
<td></td>
<td></td>
</tr>
<tr>
<td>YCBS 299</td>
<td>Data Science Capstone</td>
<td>Fouad Farès/ Nabil Beitinjaneh</td>
<td>1</td>
<td>50</td>
</tr>
<tr>
<td>YCBS 256</td>
<td>Data Science for Business Decisions</td>
<td>Fouad Farès/ Nabil Beitinjaneh</td>
<td>3</td>
<td>50</td>
</tr>
</tbody>
</table>

**Salary:** $29.33 per hour
**Duties:**
Attendance in class; grading of exams and other course components; consultation with course instructor; assistance in the preparation of course materials and required readings for the course.

**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 – intermediate to 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 - intermediate to advanced
- SQL - intermediate
- Java – intermediate
- Knowledge of Google Cloud Platform and Hadoop considered 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 – intermediate
- Alteryx – intermediate
- Google Cloud Platform – an asset
- Machine Learning – an asset