**TEACHING ASSISTANT/MARKER/DEMONSTRATOR POSTING**  
DALHOUSSIE UNIVERSITY - Halifax, Nova Scotia, Canada B3H 4H6

**POSTING DATE:** November 16, 2020  
**APPLICATION DEADLINE:** November 23, 2020  
**POSITION:** Teaching Assistant/Marker/Demonstrator  
**DEPARTMENT/LOCATION:** Civil and Resource Engineering/Room D215  
**PAY RATE:** Wages and Teaching Assistant/Marker/Demonstrator categories as per C.U.P.E. Collective Agreement  
**WORK ASSIGNMENT:** To be agreed upon by employer and employee as per C.U.P.E. Agreement  

**GENERAL REQUIREMENTS OF POSITION (Winter 2021 courses will be offered online):**  
- Demonstrated knowledge and experience in subject area  
- Must have completed the Faculty of Engineering TA training  
- Experience with on-line communications and platforms, such as MS Teams, Collaborate Ultra, Teams Live, Brightspace, and Panopto  
- Excellent verbal and written communication skills  
- Knowledge of Canadian codes and practices will be required for some courses  
- Some camera/videotaping experience  
- Up-to-date knowledge of course labs and new safety protocols in place due to COVID-19

To assist in the application process students are asked to rank, in order of preference, the Undergraduate Courses they wish to and are capable of assisting. Please consult the undergraduate course list below to determine which courses will be offered this term that best suit your background and interests. Final selection of Teaching Assistantship assignments will be done in consultation with individual instructors.

### Civil Engineering Program

**Year 3 - Academic Term 6 (Winter)**  
**Course Number Title**  
**Professor**  

CIVL 3200.03 Transportation Engineering  
Dr. N. Ali  
(Preference will be given to those applicants who have completed, or those who were a TA previously, in CIVL 3200, and those with knowledge and experience using MS Teams and Collaborate Ultra. Previous transportation and traffic engineering course (or equivalent) are required).

CIVL 3310.03 Engineering Hydrology  
Dr. D. Hansen  
(Preference will be given to those applicants who have taken CIVL3310)

CIVL 3725.03 Construction Materials & Methods  
Ms. S. Einarsdóttir

CIVL 3515.03 Structural Sys. II – Loads & Behaviour  
Dr. F. Oudah  
(Applicants must have familiarity with the following Codes: National Building Code of Canada (NBCC), Design of Steel Structures (CSA S16), Design of Reinforced Concrete (CSA A23), and Engineering Design in Wood (CSA O86). The applicants must be familiar with S-Frame software)

CIVL 3840.03 Professional Practice in Civil Engineering  
Mr. C. Dickson

**Year 4 - Academic Term 8 (Winter)**  
**Course Number Title**  
**Professor**  

CIVL 4250.03 Highway Engineering  
Dr. N. Ali  
(Preference will be given to those applicants who have completed CIVL 4250 and those with knowledge and experience using MS Teams and Collaborate Ultra)

CIVL 4350.03 Hydraulic Engineering  
Dr. M. Satish

CIVL 4359.03 Form & Process in Alluvial Channels  
Dr. D. Hansen  
(Applicant must have knowledge of the use of the HEC RAS software package and demonstrated knowledge of the theory behind it)

CIVL 4410.03 Engineering Hydrogeology  
Dr. B. Kurylyk  
(Applicant must have a background in hydrogeology)

CIVL 4460.03 Solid Waste and Landfill Engineering  
Dr. C. Lake  
(Preference given to applicants with experience with software programs POLLUTE and SLIDE)

CIVL 4560.03 Special Topics in Structural Systems  
Dr. Y. Liu

CIVL 4711.02 Construction Planning  
Dr. N. Ali  
(Preference will be given to those applicants who have completed CIVL 4711 and those with knowledge and experience using MS Teams and Collaborate Ultra)

CIVL 4703.03 Senior Project II  
Dr. Y. Liu

### Environmental Engineering Program

**Year 3 - Academic Term 6 (Winter)**  
**Course Number Title**  
**Professor**  

ENVE 3500.03 Air Quality  
Dr. L. Bouillé  
(Applicant must have working knowledge of AERMOD software)

**Year 4 - Academic Term 8 (Winter)**  
**Course Number Title**  
**Professor**  

ENVE 4402.03 Env. Design Project  
Dr. M. Walsh
### Mineral Resource Engineering Program

**Year 2 & 3 – Academic Term 4 & 6 (Winter)**

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<thead>
<tr>
<th>Course Number</th>
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<th>Professor</th>
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<tbody>
<tr>
<td>MINE 2200.03</td>
<td>Geology for Engineers</td>
<td>Mr. H. Tackley</td>
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<tr>
<td>MINE 3600.03</td>
<td>Equipment Selection &amp; Materials</td>
<td>Mr. A. Boddy</td>
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<tr>
<td>MINE 3611.03</td>
<td>Rock Mechanics</td>
<td>Dr. S. Zou</td>
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<tr>
<td>MINE 3612.03</td>
<td>Rock Penetration &amp; Frag.</td>
<td>Dr. N. Bahrani</td>
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<tr>
<td>MINE 4706.03</td>
<td>Mining Geology II</td>
<td>Dr. S. Balideh</td>
</tr>
<tr>
<td>MINE 4711.03</td>
<td>Mine Vent. &amp; Env. Control</td>
<td>Dr. S. Balideh</td>
</tr>
<tr>
<td>MINE 4710.01</td>
<td>Mine Excavation Systems</td>
<td>Dr. N. Bahrani</td>
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<tr>
<td>MINE 4820.03</td>
<td>Slope Stability</td>
<td>Ms. C. Lin</td>
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### Year 4 – Academic Term 8 (Winter)

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<td>Sr. Design Project II</td>
<td>Dr. S. Balideh</td>
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**IF YOU ARE INTERESTED IN THE ABOVE POSITIONS, PLEASE COMPLETE THE REQUIRED APPLICATION FORM BY THE APPLICATION DEADLINE AND E-MAIL TO:**

Civil.office@dal.ca. Students will be notified of teaching assignments during the first week of classes in January.

All offers of employment are conditional upon sufficient student enrolment in the course and approval by the University.

Dalhousie University is committed to fostering a collegial culture grounded in diversity and inclusiveness. The university encourages applications from Indigenous persons, persons with a disability, racially visible persons, women, persons of a minority sexual orientation and/or gender identity, and all candidates who would contribute to the diversity of our community. For more information, please visit [www.dal.ca/hiringfordiversity](http://www.dal.ca/hiringfordiversity).