

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

POSTING DATE: November 24, 2022

APPLICATION DEADLINE: December 1, 2022

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:

- Demonstrated knowledge and experience in subject area
- Experience with on-line communications and platforms, such as Brightspace, MS Teams, Collaborate Ultra, Teams Live, and Panopto
- Demonstration of excellent work ethic in meeting TA/Marker job descriptions
- Excellent verbal and written communication skills
- Knowledge of Canadian codes and practices will be required for some courses
- Up-to-date knowledge of course labs and safety protocols in place

To assist in the application process applicants 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 and review of current course enrollment.

Civil Engineering Program

Year 3 - Academic Term 6 (Winter)

<u>Course Number</u>	<u>Title</u>	<u>Position(s)</u>	<u>Professor</u>
CIVL 3200.03	Transportation Engineering	M70,TA90	Dr. N. Ali
<i>(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).</i>			
CIVL 3310.03	Engineering Hydrology	M50(2),TA90	Dr. R. Jamieson
<i>(Preference will be given to applicants with a background in engineering hydrology, watershed delineation, and accessing/analyzing hydrometric and climatic data)</i>			
CIVL 3515.03	Structural Sys. II – Loads & Beh	M50(2), TA90	Dr. F. Oudah
<i>(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)</i>			
CIVL 3600.03	Sust Concepts for Civil & Envr Eng	M100, TA90	Dr. L. Somers
CIVL 3725.03	Construction Materials & Mtds	M100, TA65, TA90	Dr. K. Khorramian
ENGM 3052.03	Applied Numerical Mtds.	TA90, M100	Dr. D. Garagash

Year 4 - Academic Term 8 (Winter)

<u>Course Number</u>	<u>Title</u>	<u>Position(s)</u>	<u>Professor</u>
CIVL 4250.03	Highway Engineering	M30, TA35(2)	Dr. N. Ali
<i>(Preference will be given to those applicants who have completed CIVL 4250 and those with experience in pavement design and traffic engineering)</i>			
CIVL 4410.03/ENVE 4410.03	Eng. Hydrogeology	M70(2), TA65	Dr. B. Kurylyk/J. Cantelon
<i>(Applicant must have a background in hydrogeology)</i>			
CIVL 4460.03	Solid Waste and Landfill Eng.	M45, TA90	Dr. C. Lake
<i>(Preference given to applicants with experience with software programs POLLUTE and SLIDE)</i>			
CIVL 4550.03	Timber Design	M45, TA65	B. Guzar/R. MacKay-Lyons
CIVL 4560.03	Special Topics in Structural Sys	M75, TA45	Dr. Y. Liu
CIVL 4711.02	Construction Planning	TA25, M65(2)	Dr. N. Ali
<i>(Preference will be given to those applicants who have completed CIVL 4711 or equivalent)</i>			
CIVL 4703.03	Senior Project II	TA45	Dr. Y. Liu

Environmental Engineering Program

Year 3 - Academic Term 6 (Winter)

<u>Course Number</u>	<u>Title</u>	<u>Position(s)</u>	<u>Professor</u>
ENVE 3500.03	Air Quality	M65,TA45	Dr. L. Boutillier
<i>(Preference will be given to applicants who have completed ENVE 3500 and have working knowledge of AERMOD software)</i>			

Year 4 - Academic Term 8 (Winter)

<u>Course Number</u>	<u>Title</u>	<u>Position(s)</u>	<u>Professor</u>
ENVE 4402.03	Env. Design Project	TA35	Dr. M. Walsh
ENVE 4641.03	Contaminant Fate & Transport	TA35	Dr. L. Boutillier

Mineral Resource Engineering Program

Year 2 & 4 – Academic Term 4 & 8 (Winter)

<u>Course Number</u>	<u>Title</u>	<u>Position(s)</u>	<u>Professor</u>
MINE 2200.03	Geology for Engineers	TA65(2)	Mr. H. Tackley
<i>(Applicants must have a background in earth science, geology, or environmental geosciences)</i>			
MINE 4100.03	Mining Geotechnique	M65, TA65	Dr. A. Corkum
MINE 4710.03	Mine Excavation Systems	TA35	Dr. A. Corkum
MINE 4820.03	Slope Stability	TA35	Dr. S. Zou
MINE 4821.03	Petroleum Res. Eng.	TA35	Dr. D. Garagash
MINE 4850.03	Sr. Design Project II	TA35	Dr. S. Balideh
CIVL/ENVE/MINE - Work terms		M40(2)	Dr. L. Liu

IF YOU ARE INTERESTED IN THE ABOVE POSITIONS, PLEASE COMPLETE THE REQUIRED APPLICATION FORM BY THE APPLICATION DEADLINE AND E-MAIL TO: CREGRAD@DAL.CA OR SUBMIT THROUGH THE CRE GRADUATE STUDENT BRIGHTSPACE PAGE. Students will be notified of teaching assignments one week prior to the first day of classes in January.

Dalhousie University is committed to fostering a collegial culture grounded in diversity and inclusiveness. The university encourages applications from Indigenous persons (especially Mi'kmaq), persons with a disability, racialized persons, including persons of Black/African descent (especially African Nova Scotians), 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