Global Engineering Program Instructor

Title: Global Engineering Program Instructor
Date of Commitment: Early July, 2020 – August 14, 2020
Department: Engineering Outreach Office, Faculty of Applied Science & Engineering
Number of Positions: 5
Hours per week: up to 15
Rate of Pay: $17/hour
Deadline to Apply: Friday June 26th, midnight.

The Engineering Outreach Office (EEO) manages and administers the core outreach programs offered by the Faculty of Applied Science & Engineering at the University of Toronto. We act as the central unit for outreach activities promoting Science, Technology, Engineering and Math (STEM) education to a wide audience. For more information about the Engineering Outreach Office, visit: www.outreach.engineering.utoronto.ca.

The Global Engineering Program is a 4-week online summer program for high school students in Grades 9-12. This program encourages students to use the engineering design cycle to explore creative and sustainable solutions to real world problems. Students in Grades 9 and 10 will deepen their understanding of global health and sustainability as they work towards developing their own solution to The Toilet Challenge presented by the Bill and Melinda Gates Foundation. Grade 11 and 12 students will address a crisis facing millions across the globe: children’s mental health. Participants will work in teams to develop a tool or intervention with the goal of improving mental health of North American children. Both of these programs will include intentional leadership development curriculum, touching on such topics as self-awareness, power and privilege and empathy.

What Does a Global Engineering Program Instructor Do?
- Assist the Engineering Outreach Team Lead with content curation for workshops; prepare materials and handouts; monitor and track attendance and take minutes of live sessions
- Lead speaker series and workshops over Quercus (Bb Collaborate)
- Contribute to the Quercus site as needed
- Support participants during academic hours, and answer any relevant questions throughout the program
- Act as an ambassador of the Faculty of Applied Science & Engineering and the University of Toronto

**Qualifications:**
- Must be proficient in one or more of the following (please indicate how many you are proficient in in your application): HTML/CSS, SketchUp or UX/UI tools (e.g. Figma)
- Are comfortable with LMS systems (e.g. Quercus) and online video systems (e.g. BB collaborate)
- Have a strong interest or knowledge of the engineering design process, interdisciplinary research, mental health or The Toilet Challenge
- Have taken any one of these courses or equivalent (please indicate which courses you have taken in your application): APS111, APS112, APS113, ESC101, ESC102, MIE315, TEP448, MIE440

**We are looking for individuals who are:**
- Current upper year undergraduate students or graduate students in Engineering at the University of Toronto. Recent graduates are also welcome to apply
- Have an interest in STEM education (science, technology, engineering, and math)
- High degree of scientific or engineering literacy
- Ability to work independently and as part of the team
- Excellent oral and written communication skills
- Able to work flexible hours including some evenings and weekends
- Able to work with people from other cultures / backgrounds
- Highly developed computer skills (e.g. Microsoft Office)
- Well-developed problem solving and conflict resolution skills

**Additional Information:**
All instructors will be required to attend online training. Instructors are required to complete basic health and safety training, AODA training, and obtain a Police Clearance Letter prior to the program start date.

**Application Process:**
To apply for this position, follow this link: https://forms.gle/JB82NrSneHSY4x1X9

You may contact Claire Heymans, Outreach Coordinator, at apply@engineeringoutreach.ca for any questions and concerns you may have. Please note that only successful candidates will be contacted.