The Department of Engineering Science invites applications for the following position(s):

**TEACHING ASSISTANT**
Teaching Support Staff Union (TSSU)

**COURSE:** TEKX 101 Introduction to 3D printing and 3D scanning technologies

**LOCATION:** Burnaby

**DURATION:** August 28, 2019 – December 24, 2019

**QUALIFICATIONS:**
Candidates will be evaluated and ranked based on the following criteria. For proper consideration, candidates must write a maximum 100-word description of their experiences demonstrating how they meet the criteria. Short listed candidates will be required to meet with the course instructor(s) for an interview.

- Good written and one-to-one oral communication skills
- Reliable and punctual
- Must be available for specific scheduled lab times on days/times assigned by the course instructor (minimum of x hours/week in weeks x, y, and z, etc.)
- Working knowledge of additive manufacturing based on FFF technology
- Working knowledge of 3D scanning techniques (laser or structured light)
- Familiarity with Fusion 360 or other 3D CAD software, such as Solidworks
- Familiarity with the design of 3D models for additive manufacturing and related constraints, such as wall thickness, overhangs, horizontal bridges and scape holes
- Experience or familiarity with other metal and polymer traditional and additive manufacturing technologies is desired
- Knowledge of basic material and polymer science concepts, such as Young’s modulus, melting point, normal and shear stress are recommended
- Knowledge of relevant terminology associated with the above-mentioned items
- Experienced with team projects, course or assignment instruction to students and troubleshooting

**CLOSING DATE:** July 08, 2019

Engineering Science graduate students apply using the online form at:
https://courses.cs.sfu.ca/forms/ensc-ensc-ta-application-engineering-science-gradu/

All other applicants (e.g. graduate students in other departments, undergraduate students and external applicants) apply using the online form at:
https://courses.cs.sfu.ca/forms/ensc-ensc-ta-application-non-ensc-grad-students/

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*The University is committed to the principle of equity in employment*

The information submitted with your application is collected under the authority of the University Act (R.S.B.C. 1996, c.468, s. 27(4)(a)), applicable federal and provincial employment regulations and requirements, the University's non-academic employment policies and applicable collective agreements.

The information is related directly to and needed by the University to initiate the employment application process. The information will be used to contact references supplied by you, evaluate your qualifications and complete the employment process by making a hiring decision. Applicant information may also be disclosed to the Teaching Support Staff Union in accordance with Article XIII F.3.1.a (iv) of the Collective Agreement.

If you have any questions about the collection, use and disclosure of this information please contact the Associate VP, Human Resources, Simon Fraser University, Burnaby, BC V5A 1S6. Telephone 778-782-3237.