



The School 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

QUALIFICATIONS:

Candidates will be evaluated and ranked based on the following criteria. For proper consideration, candidates must write a maximum 1000 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.

- 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,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 pedestals
- 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

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 A0.6 ((ri)444)ersty e

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 [778-782-3238](tel:778-782-3238).