University of Toronto
Department of Medical Biophysics
Job Posting – Teaching Assistant Position
Winter Term 2024 (January - April)

Posted on October 18, 2023

The Department of Medical Biophysics seeks 1 Teaching Assistant for the following module:

**MBP 1023H– CLINICAL RADIATION PHYSICS AND DOSIMETRY (.5 credit)**

**Qualifications**
Applicants MUST have passed course MBP1023H (or equivalent from another university) in a previous year. Previous experience with Monte Carlo codes for radiation transport (EGSNRC or Penelope) and the programming language C++ is an asset.

**Relevant Criterion**
Previous experience is the more relevant criterion than the need to acquire experience in respect of this posted position.

**Duties**
- Develop three existing Monte Carlo software tutorials: develop C++ Monte Carlo code for a given individual tutorial task (photon counting, charged particle penumbra, dose calculation etc.). Test run all steps of the tutorial and provide a write up to the students.
- Consult with the students while they are working on the tutorial. Must be available for consulting the students on Monte Carlo coding questions.
- Run the tutorial sessions (1 hour each).
- Reformat and update older parts of the lecture notes.
- Work out additional exercises for the whiteboard seminar hours led by the course instructor.

*Duties of this position shall be performed at the campus on which the position is located.*

**Hours of work: approx. 66 hours**
**Estimated Course Enrolment:** 8 students
**Rate of Pay:** SGS II - $47.64/hour (+ vacation pay)

**Application Process**
Applicants should submit a cover letter, C.V. and application ([https://medbio.utoronto.ca/TA](https://medbio.utoronto.ca/TA)) in **one PDF** by **November 8, 2023**. Applications should be emailed to:

Merle Casci  
Department of Medical Biophysics  
University of Toronto  
101 College St., PMCRT, Rm. 15-706  
Toronto, Ontario M5G 1L7  
Email: merle.casci@utoronto.ca

The University strives to be an equitable and inclusive community, and proactively seeks to increase diversity among its community members. Our values regarding equity and diversity are linked with our unwavering commitment to excellence in the pursuit of our academic mission. The University is committed to the principles of the Accessibility for Ontarians with Disabilities Act (AODA). As such, we strive to make our recruitment, assessment and selection processes as accessible as possible and provide accommodations as required for applicants with disabilities. If you require any accommodations at any point during the application and hiring process, please contact uoft.careers@utoronto.ca. During employment, to request accommodation from the University, contact the supervisor or department chair and/or Health & Wellbeing Programs & Services at
The hiring criteria for Teaching Assistant positions are academic qualifications, the need to acquire experience, previous experience and previous satisfactory employment under the provisions of this Collective Agreement.

Candidates who are members of Indigenous, Black, racialized and LGBTQ2S+ communities, persons with disabilities, and other equity seeking groups are encouraged to apply, and their lived experience shall be taken into consideration as applicable to the position.

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ2S+ persons, and others who may contribute to the further diversification of ideas.

This job is posted in accordance with the CUPE 3902 Unit 1 Collective Agreement.

The position(s) posted above is (are) tentative, pending final course determinations and enrolments.

Positions posted here are open to Graduate Students in the School of Graduate Studies, Postdoctoral Fellows and Undergraduate Students in the University of Toronto.

Preference in hiring shall be given to Graduate Students enrolled in the School of Graduate Studies of the University of Toronto or those who have made application to be enrolled in the School of Graduate Studies of the University of Toronto.