

**Application Deadline: June 30, 2021**

**Faculty of Engineering/Electrical Engineering Department**

**Lakehead University, Thunder Bay Campus**, invites applications for a Contract Lecturer in the Department of Electrical Engineering. Applications are requested to teach:

**EELE5631FA Applied Algebra and Probability**

Part 1: Systems of linear equations, Row reduction and echelon forms, Matrix operations, including inverses Block matrices Linear dependence and independence Subspaces and bases and dimensions, Orthogonal bases and orthogonal projections, Gram-Schmidt process, Linear models and least-squares problems, Determinants and their properties, Cramer's Rule, Eigenvalues and eigenvectors, Diagonalization of a matrix, Symmetric matrices, Positive definite matrices, Similar matrices, Linear transformations, Singular Value Decomposition.

Part 2: This course looks at the theory of probability theory and stochastic processes. Topics studied include: Foundations of Probability Theory, Random Variables, Distribution and Density Functions, Functions and Sequences of Random Variables, Expectation and Moments, Characteristic Functions and Moment Generating Functions, Introduction to Random process.

**Start Date/Duration: Sept. 7, 2021 – December 23, 2021**

    Mondays & Wednesdays - 1:00pm – 2:30pm

**Qualifications Preferred: PhD in Electrical Engineering**

*"Experience with experiential learning and online or alternative modes of delivery is highly desired."*

Lakehead is a comprehensive university with a reputation for innovative programs and cutting-edge research. With campuses located in Thunder Bay and Orillia, Lakehead has approximately 10,000 students and 2,160 faculty and staff. With an emphasis on collaborative learning and independent critical thinking and a multidisciplinary teaching approach, Lakehead offers a variety of degree and diploma programs at the undergraduate, graduate, and doctoral levels through its ten faculties, including Business Administration, Education, Engineering, Health and Behavioural Sciences, Natural Resources Management, Science and Environmental Studies, Social Sciences and Humanities, Graduate Studies, the Northern Ontario School of Medicine (West Campus) and Ontario's newest Faculty of Law. For further information, please visit: [www.lakeheadu.ca](http://www.lakeheadu.ca).

For further information, please contact Dr. Christoffersen. Detailed information on the Electrical Engineering Department and our programs is available at: <https://www.lakeheadu.ca/programs/departments/electrical-engineering> .

Review of applications will begin on June 30, 2021 and will continue until the position is filled. *The electronic application (in the form of one PDF document) should include: a curriculum vitae, statement of teaching interests and/or evidence of teaching effectiveness. A completed [Confirmation of Eligibility to Work in Canada.pdf](#) form must accompany your package.* We encourage applicants with the Right of First Refusal (as outlined in article 19.03.02 of the LUFA/LU Collective Agreement) to indicate their status in their application.

Applicants should submit their electronic application to:

**Send Applications to:**

Department of Electrical Engineering  
Lakehead University  
955 Oliver Road  
Thunder Bay, ON P7B 5E1  
Attn: Dr. Christoffersen, Chair  
E-mail: [cchristo@lakeheadu.ca](mailto:cchristo@lakeheadu.ca)

Lakehead University is committed to creating a diverse and inclusive environment and welcomes applications from all qualified individuals including women, racialized persons, Indigenous people, persons with disabilities and other equity-seeking groups. All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority. This is in accordance with Canadian immigration requirements.

**We appreciate your interest; however, only those selected for an interview will be notified. Lakehead University is committed to supporting an accessible environment. Applicants requiring accommodation during the interview process should contact the Office of Human Resources at (807) 343.8334 or [human.resources@lakeheadu.ca](mailto:human.resources@lakeheadu.ca) to make appropriate arrangements.**

This position is subject to budgetary approval.