



University
of Windsor

FACULTY OF SCIENCE
Department of Physics, University of Windsor

ADVERTISEMENT

SESSIONAL INSTRUCTOR – Fall 2021

In accordance with Section 54:07 of the 2011-14 Faculty Association Collective Agreement, the Department of Physics at the University of Windsor invites applications from qualified individuals interested in teaching the following courses, subject to change, sufficient enrolment, and budgetary approval.

PHYS 3610(1) The Mathematics of Physics T/R 2:30 to 3:50

Mathematical topics/methods ubiquitous in physics, to give accelerated access to upper-level physics courses by providing the essential background in mathematics: central differential equations of physics and their solutions (e.g. Bessel functions, spherical harmonics, orthogonal polynomials); vector/function spaces, Fourier series/orthogonal function expansions; calculus of complex variables, residue theorem; Schwartz distributions; Green's functions; with time permitting, selected topics of current interest in mathematical/theoretical physics. (Prerequisites: MATH-2780 and MATH-2790, or equivalent. Recommended: PHYS-1500.) (3 lecture hours per week.)

Please be aware that this course posting requires the course to be offered using alternative learning technology in an online environment. To learn about what resources are available to learn about and use these technologies please contact the Office of Open Learning or the Centre for Teaching and Learning.

Applications should be submitted by **August 19th, 2021** by email to Dr. Steve Rehse, Head, Department of Physics at **kimber1@uwindsor.ca**. Please include a letter of application including indications of previous successful teaching. Applicants who have not taught courses offered by the Department of Physics within the last three years are asked to submit a full C.V. and three current letters of reference. Members of the graduate faculty will be given preference. Preference will be given to candidates with advanced training or research experience in theoretical physics and demonstrated familiarity or expertise with mathematical techniques commonly utilized in theoretical physics, especially those topics described above.

The University of Windsor is committed to employment equity and especially welcomes applications for this position from aboriginal peoples, persons with disabilities and members of visible minorities. Applications from women are particularly encouraged.

For additional information, contact the Dept. of Physics at **kimber1@uwindsor.ca**

c.c.: Heads/Directors/Chairs, Science Departments
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