

**Job Posting: Contract Instructor
Winter 2024 Term
PHYS 3606 Modern Physics II**

Course Description

**PHYS 3606/PHYS 3608 [0.5 credit]
Modern Physics II**

Elements of condensed matter physics, semiconductors, superconductivity. Elements of nuclear physics, fission, fusion, power generation. Introduction to particle physics. Ionizing radiation: production, interactions, detection. Medical physics: radiation biophysics, cancer therapy, imaging.
Also offered, with different requirements, as **PHYS 3608** for which additional credit is precluded.
Prerequisites: **PHYS 2604** and **PHYS 3701**, or permission of the Department.
Lectures three hours a week, laboratory two hours a week.

Please note this is a pro-rated contract for seven weeks from **February 5, 2024 – March 27, 2024**.

Designated modality	In person
Anticipated TA Support	Yes
Anticipated Enrolment	50

Please note that anticipated TA support is based on anticipated enrolment and may change based on actual course enrolment. Please note that all positions are subject to budgetary approval and the University has the right to cancel a course in certain circumstances (e.g., low enrolment).

Qualifications

Applicants should hold a Ph.D. in physics and have previous experience in teaching university physics at an advanced level.

Procedure for Application and Deadline for Application:

All applicants must apply to the Department Head in writing and in relation to each course for which they wish to be considered. All applications must include an up-to-date CV, including a complete listing of all courses taught within the CUPE 4600 Unit 2 bargaining unit at Carleton University. Applicants shall not be required to submit more than one (1) CV to each department. Applicants should complete a **[Contract Instructor Application Form](#)** and submit the form to:

Thomas Grégoire, Chair
Department of Physics
Carleton University
1125 Colonel By Drive
Ottawa, ON K1S 5B6

Deadline to apply: December 8th 2023

Please submit applications to: temi.guoti@carleton.ca

A note to all applicants: As per Articles 16.3 and 16.4 in the CUPE 4600 (Unit 2) Collective Agreement, the posted vacancies listed above are first offered to applicants meeting the incumbency criterion. A link to the current CUPE 4600 Unit 2) Collective Agreement can be found at the Academic Staff Agreements webpage on the Carleton University website.