

**UNIVERSITY OF TORONTO MISSISSAUGA**

**Department of Chemical and Physical Sciences – Application Form for  
CPS401Y5: Research and Development in Science Education**

This course is intended for students in a CPS or Environmental Science Major or Specialist program. It provides an experiential learning opportunity with secondary school students and teachers. Students will research the literature of science pedagogy and acquire pedagogical content knowledge, particularly that of problem-based learning and the use of case studies. Then, through the creation of original, problem-based learning materials for Grades 11 and 12 classes and the preparation of teachers' notes for these materials, they will enhance their subject specialization knowledge. They will then assist a teacher in implementing their materials in a school or, where the materials involve experiments, in the field or in the UTM teaching laboratories. The course is normally taken in the student's fourth year. Enrollment requires submitting an application to the CPS Department in the spring term, with the application due date being the final day of classes. Independent Studies Application Forms may be found at <http://uoft.me/cpsforms>. Applications should be submitted to the CPS Undergraduate Assistant. Registration on ACORN is also required.

*Prerequisites:* Enrolment in a CPS or Environmental Science Major or Specialist program with a minimum CGPA of 2.7 and 9.0 credits, including at least 2.0 credits at the 200-level in CHM or ERS or ENV or GGR or PHY.

**Note:** Enrollment in this course requires the submission of an application form to the CPS Undergraduate Assistant and registration on ACORN. Please visit the CPS website (<http://uoft.me/cpsforms>) for application forms, instructions, and deadlines.

Full Name (Print): \_\_\_\_\_  
(Surname, given name, and any initials)

Student Number: \_\_\_\_\_ Registration Session: \_\_\_\_\_  
(eg. Fall 2021 – Winter 2022)

Phone Number: \_\_\_\_\_ Email: \_\_\_\_\_@mail.utoronto.ca

Program (to which this course will apply): \_\_\_\_\_

\_\_\_\_\_  
Student's Signature

\_\_\_\_\_  
Date

**Below is for Office Use Only**

Notes from the Undergraduate Administrative Assistant, Eliza Escandar:

Notes from the CPS401Y5 Course Coordinator:

\_\_\_\_\_  
Course Coordinator's Signature

\_\_\_\_\_  
Date

Approved in ROSI:  Yes  No

\_\_\_\_\_  
Christina Fortes  
Academic Counsellor/Undergraduate Program Administrator

\_\_\_\_\_  
Date