

CHEM 334. ADVANCED MATERIALS.

Credits: 3

Offered by: Chemistry (Faculty of Science)

This course is not offered this catalogue year.

Description

Survey of the physical and chemical structure-function relationships defining advanced materials, including an introduction to basic materials science and characterization. Topics include supramolecular polymers, self-healing materials, advanced surfaces and adhesives, bio-inspired materials, shape memory materials, sensors and actuators, and photonic materials.

- Restriction: Not open to students who have taken or are taking PHYS 334.
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- Fall
- Prerequisites: CHEM 110/CHEM 120 and PHYS101/PHYS 102 or PHYS 131/PHYS 142, or CEGEP Physics and Chemistry, or equivalent. Prerequisite or Corequisite: one of CHEM 203, CHEM 204, CHEM 213 and CHEM 273, or equivalent; or one of PHYS 230 and PHYS 232, or equivalent; or permission of the instructor.

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