

# COURSE DETAIL

## HIGH ENERGY ASTROPHYSICS

**Country**

Canada

**Host Institution**

McGill University

**Program(s)**

McGill University

**UCEAP Course Level**

Graduate

**UCEAP Subject Area(s)**

Physics

**UCEAP Course Number**

210

**UCEAP Course Suffix****UCEAP Official Title**

HIGH ENERGY ASTROPHYSICS

**UCEAP Transcript Title**

ASTROPHYSICS

**UCEAP Quarter Units**

6.00

**UCEAP Semester Units**

4.00

## Course Description

This course is a graduate level course on high-energy astrophysics; undergraduates who wish to enroll in this course require the approval of McGill University and the UCEAP Systemwide Office. The course discusses topics including gas and radiation processes, shocks, supernovae, supernova remnants, neutron stars, compact objects in binaries, accretion disks, active galactic nuclei, X-rays, gamma ray bursts, high-energy telescopes, strong gravity, and magnetic fields.

## Language(s) of Instruction

English

## Host Institution Course Number

PHYS 645

## Host Institution Course Title

HIGH ENERGY ASTROPHYSICS

## Host Institution Campus

Science

## Host Institution Faculty

## Host Institution Degree

## Host Institution Department

Physics

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