ORIGINAL COURSE IMPLEMENTATION DATE: September 2026

REVISED COURSE IMPLEMENTATION DATE:

COURSE TO BE REVIEWED (six years after UEC approval)**:** February 2032

Course outline form version: 29/08/2024

OFFICIAL UNDERGRADUATE COURSE OUTLINE FORM

Note: The University reserves the right to amend course outlines as needed without notice.

Course Code and Number: PHYS 499	**Number of Credits:** 1 Course credit policy (105)
Course Full Title: Physics Honours Module **Course Short Title:** Physics Honours Module	
Faculty: Faculty of Applied and Technical Studies	**Department/School:** Physics

Calendar Description:

Specific to the Physics Honours program, this course is to be taken in conjunction with an existing upper-level physics course approved by the Physics department. Students will be required to cover additional topics to supplement the approved course content, culminating in a final report and presentation.

Prerequisites (or NONE):	Admission to the Physics Honours.
Corequisites (if applicable, or NONE):	An upper-level PHYS course approved by the Physics department.
Pre/corequisites (if applicable, or NONE):	

Antirequisite Courses *(Cannot be taken for additional credit.)*

Former course code/number:

Cross-listed with:

Equivalent course(s):

(If offered in the previous five years, antirequisite course(s) will be included in the calendar description as a note that students with credit for the antirequisite course(s) cannot take this course for further credit.)

Typical Structure of Instructional Hours

Supervised directed learning (directed studies only)	25
Total hours	**25**

Scheduled Laboratory Hours

Labs to be scheduled independent of lecture hours: **No**

Course Details

Special Topics course: **No**

(If yes, the course will be offered under different letter designations representing different topics.)

Directed Study course: **Yes; cannot be repeated for credit**

(See policy 207 for more information.)

Grading System: **Letter grades**

Delivery Mode: **May be offered in multiple delivery modes**

Expected frequency: **Annually**

Maximum enrolment (for information only)**: 6**

Prior Learning Assessment and Recognition (PLAR)

PLAR cannot be awarded for this course because:

This course is to be taken alongside an existing UFV Physics course as part of the honours degree.

Transfer Credit *(See **bctransferguide.ca**.)*

Transfer credit already exists: **No**

Submit outline for (re)articulation: **No**

(If yes, fill in transfer credit form.)

Department approval	**Date of meeting:**	April 11, 2025
Faculty Council approval	**Date of meeting:**	May 30, 2025
Undergraduate Education Committee (UEC) approval	**Date of meeting:**	February 27, 2026

Learning Outcomes

As this course will supplement an existing Physics course, the additional learning outcomes beyond those of the associated course will be as follows.

Upon successful completion of this course, students will be able to:

1. Collaborate with a supervisor to determine an appropriate area of a subject worthy of advanced study.
2. Apply techniques beyond those covered in the host course to research the more complex aspects of the subject.
3. Utilize discipline-recognized typesetting software to prepare a concise scientific report on a research topic.
4. Communicate the most relevant aspects of their written report in an oral presentation.
5. Articulate the work expectations that may be required of them in graduate school or other post-graduation careers.

Recommended Evaluation Methods and Weighting *(Evaluation should align to learning outcomes.)*

Assignments:	35%	Project:	65%		%
	%		%		%

Details:

Students will be required to do additional assignment questions beyond what is expected in the host course. The project component consists of a final paper (45%) and an oral presentation (20%).

NOTE: The following sections may vary by instructor. Please see course syllabus available from the instructor.

Typical Instructional Methods *(Guest lecturers, presentations, online instruction, field trips, etc.)*

A combination of face-to-face lectures (for the host course) and independent study for the additional course material.

Texts and Resource Materials *(Include online resources and Indigenous knowledge sources. Open Educational Resources (OER) should be included whenever possible. If more space is required, use the Supplemental Texts and Resource Materials form.)*

	Type	Author or description	Title and publication/access details	Year
1.	Textbook	Textbook used will depend on the course being supplemented.		
2.				
3.				
4.				
5.				

Required Additional Supplies and Materials *(Software, hardware, tools, specialized clothing, etc.)*

Course Content and Topics

Course content will vary depending on the course being supplemented.