



## COURSE OUTLINE

The course description is online @ <http://camosun.ca/learn/calendar/current/web/phys.html>

Ω Please note: the College electronically stores this outline for five (5) years only.  
It is **strongly recommended** you keep a copy of this outline with your academic records.  
You will need this outline for any future application/s for transfer credit/s to other colleges/universities.

### 1. Instructor Information

(a)	Instructor:	Ed Nelson		
(b)	Office Hours:	MT1:30 – 2:20, W 11:30 – 12:20, ThF 10:30 – 12:20		
(c)	Location:	TECH 218		
(d)	Phone:	250 370 4435	Alternative Phone:	
(e)	Email:	nelson@camosun.bc.ca		
(f)	Website:	D2L		

### 2. Intended Learning Outcomes

(No changes are to be made to these Intended Learning Outcomes as approved by the Education Council of Camosun College.)

Upon completion of this course the student will be able to:

1. Assemble simple experimental apparatus using written instructions.
  2. Design and assemble novel experiments for original projects.
  3. Observe and accurately record data and uncertainty data (position, velocity, acceleration, mass, time, temperature, voltage, etc.).
  4. Organize recorded data in tabular format.
  5. Display recorded data in linear graphs or charts.
  6. Analyze linear graphs (determine area, slope, intercept, etc.).
  7. Observe and record sources of error and estimate the range of uncertainty in results.
  8. Interpret meaning of experimental results in the context of the experimental objectives.
  9. Write scientific reports in an acceptable, traditional format.
- **All labs are due one week after the experiment is performed.** A mark reduction of 10 % per day late will be applied for late labs.
  - It is the student's responsibility to contact the instructor in the event that he/she misses a lab; students will be expected to make up the missed lab as soon as possible. If the lab was missed for a valid reason (illness, family emergency, school athletics, etc..) no mark penalty will be applied. Otherwise, an **automatic 20 % mark deduction** will be applied to the lab.
  - All labs (with the exception of the introductory lab) must be completed following the *Format for an Informal Lab Report* outlined on page ii of the lab manual. The original lab data collected during the lab (with instructor's signature) must be included with the lab report.
  - The overall lab mark will be tabulated based on student performance on all scheduled labs.
  - A student's overall letter grade will be determined based on Camosun College's Standard Grading System on the following page.
  - **PLAGIARISM:** Students share lab equipment and will share identical experimental data, working in small groups of two or three. However, each student is responsible for completing and submitting their own original work in lab reports. This includes original data tables, calculations, discussions and conclusions. The photocopying and/or electronic copying of these components from one student's report to another's report will be considered plagiarism, which is a violation of the college conduct policy. Remedies for plagiarism range from repeating the lab report, to a failing grade for the report.

### 3. Required Materials

- (a) PHYS 116 Lab Manual
- (b) Graph Paper (10 mm x 10 mm); drawing instruments; scientific calculator

#### 4. Course Content and Schedule

LAB T 4:00 pm – 6:00 pm

#### 5. Basis of Student Assessment (Weighting)

- (a) Laboratory Reports 100%

#### 6. Grading System

*(No changes are to be made to this section unless the Approved Course Description has been forwarded through the Education Council of Camosun College for approval.)*

##### Standard Grading System (GPA)

Percentage	Grade	Description	Grade Point Equivalency
90-100	A+		9
85-89	A		8
80-84	A-		7
77-79	B+		6
73-76	B		5
70-72	B-		4
65-69	C+		3
60-64	C		2
50-59	D	Minimum level of achievement for which credit is granted; a course with a "D" grade cannot be used as a prerequisite.	1
0-49	F	Minimum level has not been achieved.	0

##### Temporary Grades

Temporary grades are assigned for specific circumstances and will convert to a final grade according to the grading scheme being used in the course. See Grading Policy E-1.5 at [camosun.ca](http://camosun.ca) for information on conversion to final grades, and for additional information on student record and transcript notations.

Temporary Grade	Description
I	<i>Incomplete:</i> A temporary grade assigned when the requirements of a course have not yet been completed due to hardship or extenuating circumstances, such as illness or death in the family.
IP	<i>In progress:</i> A temporary grade assigned for courses that, due to design may require a further enrollment in the same course. No more than two IP grades will be assigned for the same course. <i>(For these courses a final grade will be assigned to either the 3<sup>rd</sup> course attempt or at the point of course completion.)</i>
CW	<i>Compulsory Withdrawal:</i> A temporary grade assigned by a Dean when an instructor, after documenting the prescriptive strategies applied and consulting with peers, deems that a student is unsafe to self or others and must be removed from the lab, practicum, worksite, or field placement.

#### 7. Recommended Materials or Services to Assist Students to Succeed Throughout the Course

##### LEARNING SUPPORT AND SERVICES FOR STUDENTS

There are a variety of services available for students to assist them throughout their learning. This information is available in the College calendar, at Student Services, or the College web site at [camosun.ca](http://camosun.ca).

#### STUDENT CONDUCT POLICY

There is a Student Conduct Policy **which includes plagiarism**.  
It is the student's responsibility to become familiar with the content of this policy.  
The policy is available in each School Administration Office, at Student Services,  
and the College web site in the Policy Section.

ADDITIONAL COMMENTS AS APPROPRIATE OR AS REQUIRED