

SAMPLE COURSE OUTLINE

Course Code, Number, and Title:

PHYS 1219: Engineering Mechanics

Course Format:

[Course format may vary by instructor. The typical course format would be:]

Lecture 4 h + Seminar 2 h + Lab 0 h

Credits: 4

Transfer credit: For information, visit bctransferguide.ca

Course Description, Prerequisites, Corequisites:

This course is designed for (although not restricted to) students in the University Transfer Engineering Program. Topics include statics of particles, equilibrium of rigid bodies, rigid body statics and internal forces; kinematics: rectilinear motion; dynamics: Newton's 2nd law, friction, impulse, momentum, work, and energy. Emphasis is placed throughout on the analysis of practical mechanics problems using freebody diagram techniques. Students are encouraged to complete MATH 1271 or 1273 before, or concurrently, with PHYS 1219.

Prerequisite(s): PHYS 1115 with a "C+" grade or higher, or PHYS 1125 with a "C" grade or higher; and MATH 1153 or MATH 1253 or MATH 1171 or MATH 1173. MATH 1153, 1253 or MATH 1171 may be taken concurrently with PHYS 1219.

Learning Outcomes:

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

Information unavailable, please consult Department for details

Instructor(s): TBA

Office: TBA **Phone:** 604 323 XXXX **Email:** TBA

Office Hours: TBA

Textbook and Course Materials:

[Textbook selection may vary by instructor. An example of texts and course materials for this course might be:]

For textbook information, visit https://mycampusstore.langara.bc.ca/buy_courselisting.asp?selTerm=3|8

snəwəyət̚ leləm̚ Langara College acknowledges that we are located on the unceded territory of the Musqueam people.

Note: *This course may use an electronic (online) instructional resource that is located outside of Canada for mandatory graded class work. You may be required to enter personal information, such as your name and email address, to log in to this resource. This means that your personal information could be stored on servers located outside of Canada and may be accessed by U.S. authorities, subject to federal laws. Where possible, you may log in with an email pseudonym as long as you provide the pseudonym to me so I can identify you when reviewing your class work.*

Assessments and Weighting:

Final Exam %

Other Assessments %

(An example of other assessments might be:) %

Information currently unavailable, please consult Department for details

Grading System:

Specific grading schemes will be detailed in each course section outline.

Information currently unavailable, please consult Department for details

Topics Covered:

[Topics covered may vary by instructor. An example of topics covered might be:]

Information currently unavailable, please consult Department for details

As a student at Langara, you are responsible for familiarizing yourself and complying with the following policies:

College Policies:

[E1003 - Student Code of Conduct](#)

[F1004 - Code of Academic Conduct](#)

[E2008 - Academic Standing - Academic Probation and Academic Suspension](#)

[E2006 - Appeal of Final Grade](#)

[F1002 - Concerns about Instruction](#)

[E2011 - Withdrawal from Courses](#)

Departmental/Course Policies:

This generic outline is for planning purposes only.