

# Physics 1170 Information Sheet

**Instructor:** Dr. Mike Coombes

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**Description:** This is a one semester course in Engineering Mechanics, required for the first year Engineering transfer program to UBC. Topics covered are vectors, statics, and dynamics. Use of proper analytical techniques will be stressed.

**Prerequisite:** Physics 1120. Math 1220 must precede or be taken concurrently.

**Transfer Status:** UBC: Phys 170  
UVic: Acceptable in lieu of their Mech 141 for all programs except Mechanical.

**Texts:** (i) *Statics & Dynamics*, 11<sup>th</sup> Ed. by R. C. Hibbeler  
(ii) *Phys 1170 Student Workbook* (Bring to every class)

**Office Hours:** Please see my on-line schedule at [www.kwantlen.ca/faculty/mcoombes](http://www.kwantlen.ca/faculty/mcoombes).

**Attendance:** Attendance in labs is compulsory. Regular attendance in lectures is not mandatory but is strongly recommended. It will not be possible for the instructor to provide individual tutoring to make up for missed lectures.

**Evaluation:** A final grade for this course will be determined by student performance in:

- Tests (2) (40%)
- Assignments (10%)
- Final Exam (50%)

**Grades:** Letter grades will be assigned according to the following policy:

Grade	Grade Point	% Equiv.	Min % on Final Exam
A+	4.33	90-100	80
A	4.00	85-89	70
A-	3.67	80-84	65
B+	3.33	76-79	60
B	3.00	72-75	60
B-	2.67	68-71	55

C+	2.33	64-67	50
C	2.00	60-63	40
C-	1.67	56-59	40
D	1.00	50-55	–
F	0.00	0-49	–

Note: A final grade of C (60%) or better is necessary to advance to higher physics courses.

**Assignments:** Problems will be assigned continuously, as the material is covered, and graded. All problems assigned in one week are due at the beginning of the first lecture of the following week. One or two of the problems will be marked. Solutions to all of the assigned problems will be placed in a folder at the reserve desk in the library. Proper sketches and techniques must always be used. Please note that getting the correct answer to these assignment problems is less important than a thorough understanding of how these problems are solved. This is very important as the purpose of questions on tests will be to test your understanding of the physical principles involved. As a result, the test questions may appear quite dissimilar to any question you have done on an assignment.

**Tests:** There will be several tests in class during the semester. In each test material covered since the last test will be stressed. The final exam will cover the entire course, with a slight emphasis on the most recent material. A formula sheet will be allowed for all tests. All tests must be written in ink (sketches in pencil), and must be taken at the times specified. There will be no retests. A missed test will result in a zero mark unless documented reasons are provided and accepted.

**Special Note:** Many problems will require free-body diagrams; answers that omit this crucial step will be assigned a zero. Diagram should be drawn in pencil using a straight edge.

**Withdrawal Date:** If you intend to officially withdraw from the course, you must do so by no later than 2009 February 28.

**Academic Misconduct:** Attached are copies of the College's official policy regarding plagiarism and/or cheating.

**Internet Access:** An on-line version of course handouts, solutions, and sample exams are available at [www.kwantlen.ca/faculty/mcoombes](http://www.kwantlen.ca/faculty/mcoombes).

**Note:** For your privacy and security, I will only respond to your Kwantlen email addresses.



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## ***POLICY***

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**TITLE:** Plagiarism and Cheating

**APPROVED BY:** The President

**EFFECTIVE:** 29 June 1988

**REVISED:** 03 June 2002

**REVIEWED:** 03 September 2003

**RELATED POLICIES:**

[L.6 Appeals of Academic Decisions](#)

[C.19 Copyright](#)

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### **INTRODUCTION**

#### **Definitions**

Cheating, which includes plagiarism, occurs where a student or group of students uses or attempts to use, unauthorized aids, assistance, materials or methods. Cheating is a serious educational offense.

Plagiarism occurs where a student represents the work or ideas of another person as his or her own.

### **POLICY**

Kwantlen Polytechnic University condemns all forms of cheating.

If it is determined that a student has cheated, the University will proceed with discipline in the following manner:

1. For most first offences, a grade of zero will be awarded for the affected assignment, test, paper, analysis, etc.;
2. For most second offences, a failing grade will be assigned in the affected course;
3. Depending upon the circumstances surrounding a first or second offense, a more severe level of discipline may be imposed by the University;

4. Where deemed appropriate in the circumstances, for any third offence, the matter must be referred to the University Vice President Academic under [Policy No. C.21](#) Student Conduct for the assignment of discipline, which may include suspension or expulsion from the University.
5. Any student who contributes to an act of academic dishonesty by another student may face disciplinary action.

This policy must be communicated in all Course Presentations.

## **PROCEDURAL GUIDELINES**

1. When an instructor or invigilator believes that a student has cheated (which includes intent to cheat), the student will be asked for an explanation of the events that led the instructor or invigilator to make the allegation. If after hearing the explanation, the instructor or invigilator still believes that the student has cheated, the instructor or invigilator will gather all available evidence and inform the Dean in writing. Documentation should include, but is not limited or restricted to, a clear description of the offence (the date when the incident occurred or was detected, the course number and section, the student's name and number); evidence (cheat notes, plagiarized samples, photocopies of, or actual, unpermitted aids or materials, etc.) as applicable; and names and phone numbers of witnesses, if applicable. It should be sent to the Dean within 10 days of the incident or discovery, unless there are problems contacting the student. The instructor or invigilator will inform the student of her/his decision regarding the assignment of a grade to the affected work and that the documentation will be forwarded to the appropriate Dean.
2. The Dean, upon (and only upon) receipt of the written information from the instructor or invigilator, will assign any additional disciplinary action which may be in order under the policy described above, and will inform the Registrar.
3. The Registrar will maintain a record of each offence in the student's file.
4. The affected student has the right at any time to consult with a University counsellor and/or the student ombudsperson.
5. Except in circumstances where the matter has been referred to the President under [Policy No. C.21](#) Student Conduct, a student may appeal a decision or penalty under this policy to the Kwantlen University Appeals Committee ([L.6 Appeals of Academic Decisions](#)).

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