

APSC 1299 Information Sheet

Instructor: Dr. Mike Coombes

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Title: *Introduction to Microcomputer Systems*

Description: APSC 1299 is an introduction to programmable integrated circuits (PICs) or microcontroller units (MCUs). A PIC/MCU is a part of almost every electronic device you own or use. Students will use the C programming language to program a PIC/MCU for various tasks such as data acquisition and control. Students will participate in labs and group projects to develop skills in electrical, computer, and software engineering problem solving.

Prerequisite: CPSC 1103

Transfer Status:

SFU	CMPT 1XX (3)
UNBC	CPSC 1XX (3)
UVIC	ELEC 199 (1.5)

Texts: *APSC 1299 Lab Manual & Lecture Notes* Spring 2009 Edition
Bring to every class and lab!

Information for the course and labs is available at

www.kwantlen.ca/science/physics/engineering/APSC1299/

From this site you can also find the MPLab Integrated Development Environment (IDE) and the C-18 compiler. We recommend that you install this free software on your personal computer.

Office Hours: Please see my on-line schedule at www.kwantlen.ca/faculty/mcoombes.

Attendance: Attendance in labs is compulsory. Regular attendance in lectures is not mandatory but is strongly recommended. Lecture material will cover topics important for the successful and expedient completion of labs. 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) (30%)
- assignments (15%)
- laboratory work* (25%)
- project and presentation (30%)

*Note: To obtain a passing grade in the course, students must complete ALL labs.

Assignments: Assignments will be assigned on a regular basis.

Tests: There will be two during the semester, covering specified portions of the course. There will be no final exam. Instead there will be a group report and class presentation. Details of all tests will be given in class. All tests must be taken as scheduled; there will be no retests, and a missed test will count as zero. If you miss a test because of sickness, please notify the instructor as soon as possible. You may be asked for a doctor's note.

Lab Reports: Your lab instructor will provide guidelines for your lab reports. Lab work must be documented in a black hardcover lab notebook. All lab data and reports must be kept in a bound lab notebook. Lab notebooks, which must contain a supply of graph paper, are available at the bookstore. The lab reports are due at the end of the laboratory session. Late reports will not be accepted. All labs must be completed; arrange with your lab instructor to make up missing labs. All lab reports (even to receive a zero) must be submitted before the beginning of the final examination period or a grade of F will be assigned.

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 the course handouts is available at www.kwantlen.ca/faculty/mcoombes.

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

Final Presentation: Richmond 2008 December 21, Tuesday, 8:00 – 11:00, 3650
Surrey 2008 December 20, Monday, 8:00 – 11:00, D116

POLICY

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](#)

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](#)).

[Return to Bylaws & Policies Homepage](#)
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