Course Outline 201809 Math 122 A01, A02, A04

Instructor	Section	CRN	Schedule	Email @uvic.ca	Office	Office phone
Gary MacGillivray	A01	12202	MR 8:30-9:50, COR B135	gmacgill	DTB A442	250-721-7448
Michelle Edwards	A02	12203	MWR 2:30-3:20, COR A120	edwardsm	DTB A437	250-472-5690
Michelle Edwards	A04	12205	TWF 11:30-12:20, DTB A104	edwardsm	DTB A437	250-472-5690

Course Web Page: Look at **www.uvic.ca/science/math-statistics** -> Current Students -> Undergraduate -> Courses -> 122 to find lots of information, including office hours, the course schedule, course notes, test preparation practice materials, study tips, and solution ideas for quizzes, assignments and in-class work.

Office Hours: Please see the course web page.

Course Title: Logic and Foundations

Textbook: Notes available on the course web page, and also at www.math.uvic.ca/faculty/gmacgill/LFNotes

Prerequisites: Math 100, or 102, or 109, or 151, or permission of the department.

Course Support: The Math and Stat Assistance Centre supports learning in first and second year mathematics and statistics courses. There are several locations, including DTB and the Library. Opening hours and details are available at www.math.uvic.ca/~msassist/.

Syllabus: Logic and quantifiers, proofs, set theory, elementary counting, induction and recursive definitions, number theory, congruences, relations, functions, cardinality of sets.

Grading Scheme:

Five take-home assignments (4% each)	20%
In-class assignments (many)	10%
Six bi-weekly quizzes (5% each)	30%
Final Exam (scheduled by Records)	40%

Special arrangements will not be made for students who have plans for travel or employment during the final examination period.

A01 Schedule: **Quizzes**: Sept 17, 27; Oct 15; Nov 1, 19; Dec 3.
Asmts Due: Sept 20; Oct 4, 25; Nov 8, 29.

A02 Schedule: **Quizzes**: Sept 17, 27; Oct 15; Nov 1, 19; Dec 3.
Asmts Due: Sept 20; Oct 4, 25; Nov 8, 29.

A04 Schedule: **Quizzes**: Sept 18, 28; Oct 16; Nov 2, 20; Dec 4.
Asmts Due: Sept 21; Oct 5, 26; Nov 9, 30.

Note: It is possible that some of the quizzes will be take-home, and in such cases, the quiz date may be slightly adjusted.

All sections will have the same take-home assignments and the same final exam. The quizzes and in-class assignments will be set to be consistent across all sections in terms of difficulty.

For the purposes of GPA calculations, the standard UVic conversion from course percentage to letter grade is used. Details are in the Calendar, and also on the Course Policy sheet referenced below.

Students who achieve less than 40% on the final exam will not pass the course.

Course Outline 201809 Math 122 A01, A02, A04

Course Policies:

Please see the Course Policies common to all Math classes at
    http://www.uvic.ca/science/math-statistics/current-students/undergraduate/course-policies/index.php.
Some of these are repeated in what follows. In particular, note that the only calculator that may be used on exams is the Sharp EL 510R or the Sharp EL-510RN(B), or the Sharp EL-510-RT(B). Here the "B" references the kind of packaging in the store and may or may not be on the calculator.

Discussing homework exercises with classmates, including homework to be submitted for marks, is a useful and mathematically healthy practice. The work you submit must be written independently, be in your own words, and reflect your understanding.

Please take note of the UVic policy on attendance: see
                https://web.uvic.ca/calendar2018-09/undergrad/info/regulations/attendance.html#
In particular, students are expected to attend all classes in which they are enrolled.

Students are expected to submit their homework, and write tests / quizzes, as scheduled. Assignments are due in class *before the lecture begins*. Late assignments may be submitted before the start of the next class, with a 20% deduction from the grade earned.

Academic concessions for missed work are available to students who, through no fault of their own, are prevented by circumstances from completing an assignment, doing in-class work, writing a midterm, writing a quiz, or writing the final exam.   In accordance with UVic policy, academic concessions are considered only in cases of illness, accident or affliction: see
            https://web.uvic.ca/calendar2018-09/undergrad/info/regulations/concessions.html#
Supporting documentation from a doctor or counsellor or varsity coach is required for any concession.

If an academic concession is granted for a term work, then the student's rank in her section on the final exam will be used to estimate a grade for each piece of work excused. Academic concessions for term work are limited to work of value totalling at most 20% of the course grade. Retroactive withdrawals are available to students who are able to provide their Associate Dean with documentation showing that accident, illness, or affliction has prevented them from making a serious attempt at the course.

Academic concessions for missed work will not be granted to students who have been absent from class for a substantial portion of the term, or who will not have completed course work worth at least 40% of the course grade by the end of the last day of classes.   Please note that make-up tests and assignments are not given, and that 'Deferred' status applies only to final exams.

If you have a question or concern about an assigned mark, please bring it to your instructor's attention within seven calendar days of the date when work is returned to the class. After this time has elapsed, your mark will not change except in case of an arithmetic error. If you are sick, an email or a phone call will suffice as notice, provided you see your instructor immediately on your return to classes.

Take-home assignments and all tests will be returned in class, or can be claimed during office hours. Any term work that is uncollected by the end of the final exam period will be put into confidential shredding.

Special Notes:

Towards the end of term you will have the opportunity to complete an anonymous Course Experience Survey regarding your learning experience in this course. We take the comments seriously and thank you in advance for them.