Math 122, Logic and Foundations: Syllabus and Course Information

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

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

Textbook: Free and available at www.math.uvic.ca/faculty/gmacgill/LFNotes

Course Web Page: Located on Brightspace. What's there?
- Course information, including this outline;
- Instructor office hours;
- Study tips;
- Links to online content;
- Links to old tests and solutions;
- Assignments, worksheets, and eventually solutions;
- Pointers to additional resources like other useful books, videos, and more.

Mathematics and Statistics Assistance Centre: Opening hours, operating information and other information is available at https://www.uvic.ca/science/math-statistics/ under *Math & Stats Assistance Centre*.   This is a free resource, staffed by trained tutors, that supports learning in first and second year mathematics and statistics courses.

Grading Scheme:

Weekly Worksheets (10)	40%
Writing Assignments (4)	20%
In-class assignments (many)	13%
Midterm Exam	7%
Final Exam (scheduled by Records)	20%

All sections will have the same worksheets, assignments and final exam. The midterm and in-class assignments will be set to be consistent across all sections in terms of difficulty. To pass the course it is necessary, but not sufficient, to achieve at least 33% on the final exam. It is also necessary, but not sufficient, to have attempted course work worth at least 60% of the final grade.

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