

Course Outline for All Sections of Math 122 in Jan - Apr 2022

We acknowledge and respect the ləkʷəŋən peoples on whose traditional territory the university stands and the Songhees, Esquimalt, and WSÁNEĆ peoples whose historical relationships with the land continue to this day.

Calendar Information: Math 122, Logic and Foundations

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

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

Course Information

Web Pages. On Brightspace there is a cross-listed page for information and materials relevant to all sections. Also, each section has its own Brightspace page for information and materials relevant only to that section.

Textbook. Notes for Math 122, Logic and Foundations. A PDF is freely available on the cross-listed Brightspace page.

Instructor Office Hours. As posted on the cross-listed Brightspace page. Students from any section may attend any instructor's office hours.

Section Information

Notes. For the first couple of weeks of term, at least, lectures will be held **online**. The Zoom link needed is available on the Brightspace page for your section. Times are given on a 24-hour clock for the Pacific Time Zone. The switch to Daylight time occurs at 02:00 on Sunday, March 13. The clocks move ahead by one hour.

A01, CRN 22028, MR 08:30 - 09:50 in ECS 124.

Instructor: Michelle Edwards, edwardsm@uvic.ca, DTB A437.

A02, CRN 22029, MWR 14:30 - 15:20 in ECS 124.

Instructor: Michelle Edwards, edwardsm@uvic.ca, DTB A437.

A03, CRN 22030, TWF 08:30 - 09:20 in COR B135

Instructor: Gary MacGillivray, gmacgill@uvic.ca, DTB A442.

A04, CRN 22031, TWF 11:30 - 12:20 in COR B135

Instructor: Joseph Horan, jahoran@uvic.ca, DTB A451.



Assessment Scheme

- 36% Assignments: 5, not of equal value.
- 10% In-Class Activities: Many, on seemingly random days.
- 24% Quizzes: 6, worth 4% each.
- 30% Final Exam: Scheduled by Records.

All sections will have the same Assignments and Final Exam. The In-Class Activities and Quizzes will be set to be consistent across all sections. Any systematic differences in grading between sections will be addressed after the commonly graded final exam; grades are only adjusted upwards.

Intended Quiz Dates

A01 & A02: Thursdays, Jan 20, Feb 3, Feb 17, Mar 10, Mar 24, Apr 7

A03 & A04: Fridays, Jan 21, Feb 4, Feb 18, Mar 11, Mar 25, and **Wed** Apr 6

Intended Assignment Due Dates: Fridays, Jan 28, Feb 11, Mar 4, Mar 18, Apr 1.

Assignments are submitted by section and uploaded to Crowdmark.

Essential Course Components. In order to pass the course it is required to achieve at least 40% on the common final exam and to have attempted course work worth at least 67% of the final grade.

Course Policies

All UVic Policies and all Mathematics & Statistics Policies and Practices described on the attachments apply.

Academic Concessions. Academic concessions for missed course components 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 final grade by the last day of classes. Late 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.

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

Term Work. Everyone is expected to submit their homework and write tests as scheduled. Assignments are to be submitted in the manner and form required. After the due date has passed, assignments may be submitted late within the next 48 hours. Late assignments are subject to a 20% deduction from the grade earned. Extensions

are considered in exceptional circumstances.

Missed Term Work. Various concessions may be available to students who, through no fault of their own, are prevented by circumstances from completing an assignment, doing In-Class Activities, or writing a midterm test or quiz. These are considered only in cases of illness, accident, or affliction.

If you will miss a piece of term work, if at all possible please contact your instructor before it is due to be completed. In cases where this is not possible, please contact your instructor as soon as you are able and please explain the delay. If you complete a subsequent piece of course work without having requested a concession for what was missed, then a concession for the missed work will not be granted. Also, note that the time limit for questioning an assigned grade (see below) implies a time limit for requesting a concession for missed work – you would be questioning the assigned grade of 0.

If an academic concession is granted for term work, then the student's rank in their section on the final exam will be used to estimate a grade for each piece of work excused. There are no off-schedule (make-up) tests. Academic concessions for term work are limited to work worth at most 25% of the course grade. Term work can not be deferred. 'Deferred' status applies only to final exams and is considered in accordance with university policy.

Grade Questions. Adding and recording mistakes can be fixed at any time. Please bring questions about marking to your instructor's attention within seven calendar days of the date when work is returned to the class. Your instructor reserves the right to not reconsider the grading of term work after the seven day notice period has expired.