

# Math 122 Course Outline, Fall 2015

## Logic and Foundations

Section	A01; CRN 12225	A02; CRN 12226	A03; CRN 12227
<b>Lectures</b>	MTh 8:30 – 9:50 Cornett A221	TWF 8:30 – 9:20 Cornett A221	TWF 11:30 – 12:20 Cornett B135
<b>Instructor</b>	Dr. Kieka Mynhardt	Dr. Imen Bourguiba	Dr. Jing Huang
<b>Office</b>	DTB A 541	DTB A 533	DTB A 549
<b>Phone</b>	250-721-7454	250-721-7458	250-721-7447
<b>Email@uvic.ca</b>	kieka	imenbour	huangj
<b>Office hours</b>	Mon: 14:30 – 15:50 Thu: 14:30 – 15:50	Wed: 9:30 – 10:30 Fri: 9:30 – 10:30	Wed: 10:00 – 11:00 Thu: 11:00 – 12:00
<b>Other times by chance (drop-in) or appointment</b>			

**Textbook:** *Discrete Mathematics for Logic and Foundations*  
 Custom edition for the University of Victoria  
 Pearson, ISBN-13: 978-0-558-31046-2

**Syllabus:** Chapters 0 through 6 – excluding Sections 2.4 (parts), 2.5, 5.3, 5.4, 6.3;  
 Sections 7.1, 7.2, 8.2; additional material on divide and conquer recurrences.

**Course Web Page:** <http://www.math.uvic.ca/courses/2015f/math122/index.html>

**Here you can find**

- ★ an online version of this course outline
- ★ study tips
- ★ assignments and their due dates
- ★ information for midterms
- ★ solutions for midterms and assignments
- ★ practice tests.

**Course Support:** The department operates the **Math & Stats Assistance Centre** to support learning in our first and second year courses. There are two locations, one in DTB and one in the Learning Commons in the Library. Opening hours and other details are available at <http://www.math.uvic.ca/~msassist/index.html>.

**Math Club:** Students in Undergraduate Mathematics and Statistics (**SUMS**) was founded in 2014. See <http://www.uvic.ca/science/math-statistics/undergraduate/sums/index.php>.

### Grading Scheme:

★ Five take-home assignments; 4% each	20
★ Midterm 1 ( <b>Wednesday/Thursday October 14/15</b> )	15
★ Midterm 2 ( <b>Monday/Tuesday November 16/17</b> )	15
★ Final Exam	50
	100

### Grading Notes:

- ★ The standard UVic conversion from course percentage to letter grade is used. See <http://web.uvic.ca/calendar2014/FACS/UnIn/UARe/Grad.html>.
- ★ All sections will have the same assignments and the same final exam.
- ★ The midterms will not be identical but will be consistent in terms of difficulty.

### Course Policies

- ★ **Calculators** may or may not be allowed, depending on the work covered. The only acceptable calculator is the Sharp EL-510R or the Sharp EL-510RNB.
- ★ **Assignments** are due in class before the lecture begins. Take-home assignments and midterms 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 recycled.
- ★ 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 it is returned to the class. After this time has elapsed, your mark will not change except in case of an arithmetic error.
- ★ **Discussing homework** with classmates is a useful and mathematically healthy practice. The work you submit must be written independently in your own words and reflect your understanding.
- ★ Students are expected to submit homework and write tests **on the date scheduled**. **Concessions** are considered only in accordance with the section on Academic Concessions in the UVic Calendar in cases of illness, accident or family affliction. A note from a doctor or counsellor or varsity coach is required for any concession.
- ★ **Missed midterm or homework for legitimate reasons:**
  - (i) **Missed assignments:** Mark for midterm covering the same work will be substituted.
  - (ii) **Missed assignments as well as midterm covering the same work:** one make-up assignment will be given; for missed midterm see (iii) and (iv).
  - (iii) **One missed midterm:** total calculated out of 85 and adjusted to a percentage.
  - (iv) **Two missed midterms:** a make-up test worth 15% and covering all the work for both midterms will be given at the same time on 25 November for all students concerned; total calculated out of 85 and adjusted to a percentage.

- ★ “Deferred” status applies only to final exams. *It will not be granted if you have been absent from class for a substantial portion of the term, or have not completed at least half of each course component with reasonable success.* Deferred exams are an academic concession available to students who, through no fault of their own, are prevented by circumstances from writing the final exam.
- ★ **Students who achieve less than 40% on the final exam will not pass the course.** We are imposing this requirement because so much weight is being put on the assignments.
- ★ The Department of Mathematics and Statistics **does not** award “E” grades or offer **supplemental examinations** in any of its courses.
- ★ **Academic integrity** is intellectual honesty and responsibility for academic work that you submit. It involves commitment to the values of honesty, trust, and responsibility. Students must respect these ethical values in all activities related to learning, teaching, research, and service. Therefore, plagiarism and other acts against academic integrity are serious academic offenses.
  - ★ **The responsibility of the institution**  
Instructors and academic units have the responsibility to ensure that standards of academic honesty are met. By doing so, the institution recognizes students for their hard work and assures them that other students do not have an unfair advantage through cheating on essays, exams, and projects.
  - ★ **The responsibility of the student**  
Plagiarism sometimes occurs due to a misunderstanding regarding the rules of academic integrity, but it is the responsibility of the student to know them. Depending on the severity of the case, penalties include a warning, a failing grade (e.g. zero), a record on the student’s transcript, or a suspension.
  - ★ In **Math 122 midterm and final exams**, students are not allowed to be in possession of notes or transmitting/receiving electronic gadgets of any kind at any time.
  - ★ **It is your responsibility** to understand the University’s policy on academic integrity: <http://web.uvic.ca/calendar2014/FACS/UnIn/UARe/PoAcI.html>
- ★ Please also see the **Course Policies** common to all math classes at [www.uvic.ca/science/math-statistics/undergraduate/course-policies/index.php](http://www.uvic.ca/science/math-statistics/undergraduate/course-policies/index.php)
- ★★ **Special arrangements will not be made for students who have plans for travel or employment during the final examination period.**