

# Phil 203: Elementary Formal Logic

## Syllabus

Instructor: Dr. Audrey Yap (ayap@uvic.ca)

Office/Phone: CLE B307 (721-7510)

Office Hours: TWF: 10:00-11:00, and by appointment

Class Information: TWF 11:30-12:20 in ELL 167

Course Website: Through CourseSpaces. <http://coursespaces.uvic.ca>

Textbook: Jon Barwise and John Etchemendy,

There will be 12 homework assignments, roughly one per week. Homework must be submitted by 5pm on the due date, unless otherwise specified. Most of the homework is turned in using the Submit software in the LPL package, and will be marked electronically. Although the software allows you to submit your assignment to the instructor multiple times, only the *first* submission will be counted for your grade. This means that the entire assignment must be submitted at the same time. If you wish to check your work before submitting it, you can submit the assignment only to yourself as many times as you like. Some additional questions will be answered separately on CourseSpaces. All assignments will be weighted equally, but only the best ten will be counted. Late homework will generally not be accepted. Exceptions to these rules will only be made in the case of documented illness or other extenuating circumstances which interfere with the timely completion of the assigned work. Such documentation must be received within a week of the due date.

Homework will be worth 25% of the final grade. There will also be two non-cumulative midterms (20% each) to be held during class, and a cumulative final to be held during the final examination period to be scheduled by the Registrar (35%). Rewrites will only be scheduled in cases of documented illness or other extenuating circumstances. Such documentation must be received within a week of the exam date.

**Numerical and Letter Grades:** Grades will be given as percentile marks. The percentile mark for the course will be converted to a letter grade in the following manner: A+ = 90 - 100, A = 85 - 89, A- = 80 - 84, B+ = 77 - 79, B = 73 - 76, B- = 70 - 72, C+ = 65 - 69, C = 60 - 64, D = 50 - 59, F = 0 - 49. The A range means exceptional, outstanding and excellent performance. A grade in the B range means a very good, good and solid performance. A grade in the C+ or C range means satisfactory, or minimally satisfactory, performance. A grade of D or D- indicates merely passable or marginal performance. An F indicates unsatisfactory performance.

**Academic Integrity:** You may work on the homework assignments in small groups,

## Schedule:

Week One: Sept 6, 8

Topic: Introduction to Symbolic Logic (Introduction, 1.1-1.3, 2.1)

Week Two: Sep 12, 13, 15

Topic: Validity and Soundness, Boolean Connectives (2.1, 2.5, 3.1-3.3, 3.5-3.7)

HW 1 due Sep 15

Week Three: Sep 19, 20, 22

Topic: Boolean Connectives, Truth Tables (3.5-3.7, 4.1-4.4)

HW 2 due Sep 22

Week Four: Sep 26, 27, 29

Topic: Truth Tables, Formal Proofs (6.1-6.6)

HW 3 due Sep 29

Week Five: Oct 3, 4, 6

Topic: Formal Proofs (6.1-6.6)

HW 4 due Oct 5

Test One: Oct 6

Week Six: Oct 10, 11, 13

Topic: Conditionals (7.1-7.2, 8.2, 8.4)

HW 5 due Oct 13

Week Seven: Oct 17, 18, 20

Topic: Introduction to Quantifiers (9.1-9.6)

HW 6 due Oct 20

Week Eight: Oct 24, 25, 27

Topic: Translating Quantified Phrases (11.1-11.4)

HW 7 due Oct 27

Week Nine: Oct 31, Nov 1, 3

Topic: More Complex Translations (11.1-11.4, 14.1)

HW 8 due Nov 2

Test Two: Nov 3

Week Ten: Nov 7, 8, 10

Topic: Proofs with Equality and Quantifiers (2.1-2.4, 13.1-13.3)

HW 9 due Nov 10

Week Eleven: Nov 17

Topic: Proofs with Quantifiers (13.1-13.3)

HW 10 due Nov 17

Week Twelve: Nov 21, 22, 24

Topic: Proofs with Quantifiers (13.5, 14.2)

HW 11 due Nov 24

Week Thirteen: Nov 28, 29

Topic: Review.

HW12 due Dec 1

Note: This syllabus is tentative, and should only be used to give a rough guide to the course schedule. Additional readings may be assigned, and dates may be changed if necessary.