

PHILOSOPHY 203 A01: Elementary Formal Logic
COR B108: MTWThF 10:30am - 12:20 pm
June 8th – 30th
Course Outline

Instructor: Dr. C. Klatt
Office: CLE B311
Email: cklatt@uvic.ca
Office Hours: Most weekdays 1 – 2pm
Drop-In Hours: Weekdays from 2:30 - 4pm, CLE B315
Text: *Essentials of Symbolic Logic* by R. L. Simpson (2nd or 3rd ed.)
The text is recommended but not required.
Class notes will be used.

Course Objectives:

This is an introductory course in symbolic logic. The student will learn to identify the logical structure in language by translating English statements into symbolic form. We will then use various logical tools (i.e. truth tables, truth trees and formal derivations) to determine the validity of arguments. In this course we will use both propositional and predicate logics.

There is no prerequisite for this course and it is not necessary to take Phil 201: Critical Thinking first in order to do well in Phil 203. This course will be of interest to students who enjoy solving puzzles and/or are interested in the fundamentals of language.

Grading:

Best 10 of 13 homework assignments @ 2.5% each	= 25%
3 Tests (June 15 th , 21 st , 26 th) @ 20 % each	= 60%
1 Test (June 30 th) @ 15%	= 15%

The final grade will be recorded as a percentage.

A+ = 90 – 100; A = 85 – 89; A- = 80 – 84; B+ = 77 – 79; B = 73 – 76; B- = 70 – 72;
C+ = 65 – 69; C = 60 – 6; D = 50 – 59; F = 0 – 49.

Homework is assigned daily. The questions will be available for download on CourseSpaces. Some of the assignments will be completed on CourseSpaces and others will be completed on paper and handed in for manual grading. All

assignments are **due before class begins** on the day that it is due. For exact due dates see the *Syllabus* below. Homework will not be accepted by email. If you will be absent from class then you may hand assignments into my mailbox outside of the philosophy department office, CLE B334, before it is due. **Late assignments will not be graded.** If you miss the homework assignment, answers will be posted on our class CourseSpaces site. Please note that it will be very difficult to do well in this course if you do not attempt most of the homework.

Grades for homework assignments and tests will be posted on CourseSpaces. Check the record regularly and bring any discrepancy to my attention as soon as possible.

Office Hours:

Please feel free to come by my office during office hours to discuss any difficulties with the course material or homework problems. Most of the difficulties that student's have with logic can be cleared up quite easily. I encourage you to work and study with your classmates; they can be a great resource. If you cannot attend the scheduled office hours then please email me and we will make other arrangements.

You will also have an opportunity to work on practice problems with the course Teaching Assistant in CLE B315 on each class day, 2:30 – 4pm.

Course Material on Reserve and CourseSpaces:

Practice tests, selected problem solutions and assignments will be posted on our class CourseSpaces site. Incomplete lecture notes will be available usually one day in advance for download from CourseSpaces. If you are not familiar with CourseSpaces, please come and see me.

Anyone who misses a test (and has a legitimate, documented excuse) must contact the instructor as soon as possible to schedule an alternate time to write the assignment. If you miss an assignment it will count as one of the dropped marks (unless your illness causes you to miss more than four assignments).

The final grade will be entered as a percentage.

Other Information

For N grades and DEF status, please see Calendar.

Information regarding religious observance can be located in the UVIC Calendar, and in posted Department of Philosophy Policies.

Tests and writing assignments will be returned in class as soon as they are graded. For those students who have signed a Department of Philosophy Privacy

Waiver (available on Moodle), graded work not picked up in class will be placed in a mail box, labeled with the number of this course located next to the office of the Department of Philosophy. All other graded materials must be picked up from the instructor during office hours.

Final examinations are the property of the University and will not be returned. They are available for viewing at the Records Office according to UVIC procedures and regulations.

Academic Misconduct

See the section Policy on Academic Integrity in the UVic calendar for information on cheating and its consequences. In particular, note that:

“Cheating includes, but is not limited to:

- copying the answers or other work of another person
- sharing information or answers when doing take-home assignments, tests or examinations except where the instructor has authorized collaborative work
- having in an examination or test any materials or equipment other than those authorized by the examiners
- accessing unauthorized information when doing take-home assignments, tests or examinations
- impersonating a student on an examination or test, or being assigned the results of such impersonation
- accessing or attempting to access examinations or tests before it is permitted to do so.

Students found communicating with one another in any way or having unauthorized books, papers, notes or electronic devices in their possession during a test or examination will be considered to be in violation of this policy.

Aiding Others to Cheat

It is a violation to help others or attempt to help others to engage in any of the conduct described above.”

Cheating will not be tolerated and will result in a zero on the test or assignment or failure in the course.

Syllabus:

- June 8 Introduction to course, Definitions and Operators (2.1 – 2.6)
- 9 Propositional Translations (2.7 – 2.14, 2.22) [Assg#1 DUE] (C, @ 10am)
- 12 Truth Tables (2.15 – 2.20) [Assg #2 DUE] (C, @ 10am)
- 13 Truth Trees (6.10) [Assg #3 DUE] (C, @ 10am)
- 14 Review / Derivations rules (3.1 – 3.5) [Assg #4 DUE] (paper)
- 15 **Test #1 (Propositional Translations, Truth Tables and Trees)**
- 16 Rules with Assumptions (3.6 – 3.17) [Assg #5 DUE] (paper)
Making a Plan (3.18 – 3.21)
- 19 Categoricals (3.22 – 3.23) / Review [Assg #6 and #7 DUE] (paper)
- 20 Predicate Trans. – Quantifiers (4.1 – 4.9) [Bonus Assg DUE] (paper)
Identity and Domains (4.10 – 4.16)
- 21 **Test #2 (Propositional Derivations)**
- 22 Truth Trees – Rules for Quantifier [Assg #8 DUE] (C, @ 10am)
Predicate Derivations – Rules (5.1 – 5.3)
- 23 Review [Assg #9 DUE] (paper)
- 26 **Test #3 (Predicate Translations and Truth Trees)**
- 27 Derivations Rules with Scope Lines (5.4 – 5.5) [Assg #10 DUE] (paper)
- 28 Identity (5.6 – 5.12) Categoricals (5.13 5.14) [Assg #11 DUE] (paper)
- 29 Review [Assg #12 DUE] (paper)
- 30 **Test #4 (Predicate Derivations)**

Note : Assignments that are to be completed on CourseSpaces are designated (C). Those that are to be written on paper and handed in for manual grading are designated (paper).