

	<p>School of Arts & Science HUMANITIES DEPARTMENT</p> <p>Phil 210-001 Introduction to Symbolic Logic 2009F</p>
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COURSE OUTLINE

The Approved Course Description is available on the web @ [_____](#)

- Please note: this outline will be electronically stored for five (5) years only.
It is strongly recommended students keep this outline for your records.

1. Instructor Information

(a)	Instructor:	Sandy Bannikoff		
(b)	Office Hours:			
(c)	Location:	Young 320		
(d)	Phone:	370-3508	Alternative Phone:	
(e)	Email:	bannikof@camosun.bc.ca		
(f)	Website:			

2. Intended Learning Outcomes

At the end of the course the student will be able to:

1. Assess the validity of arguments using both Venn diagrams and truth tables.
2. Identify some of the confusion concerning the generation of scientific theories

3. Required Materials

Texts:

1. Simpson, R.L. Essentials of Symbolic Logic, 3rd Edition, Broadview Press, 2008.

Other

2. Course-pack: "Philosophy 210"

4. Course Content and Schedule

The aim of this course is to introduce students to the discipline of logic and to encourage them to think more carefully in their reading and writing. In addition, the course prepares students for further study in symbolic logic. By the end of the course, the student will have:

- 1 Understood some of the different uses of language.
- 2 Understood the difference between arguments and dispute
- 3 Gained a very elementary knowledge of symbolic sentence logic.

The course consists of two 1.5 hour lectures each week. There will be a short homework assignment given at every class. **Homework assignments will not be marked unless they are handed in at the beginning of the next class.**

Weekly Schedule: Lectures and Readings (Any changes will be announced in class.)

Week One

Administrative Details, General Introduction to Philosophy & Logic

Reading: “The Value of Philosophy”, by Bertrand Russell (1st item in coursepack)

Week Two

Monday: Philosophy, Deductive Details

Wednesday: Deduction, Aristotelian Logic

Readings: 1) Solomon, Deductive Arguments, pg. 20-25 (2nd item in coursepack)
2) Simpson, Part 4 & 5 (3rd item in coursepack)

Week Three

Monday: Intension/Extension and/or Meaning/Reference, Set Theory, Notation

Wednesday: Venn Diagrams, Epistemology and Inductive Inference

Readings: 1) Simpson, Parts 7, 8 & 10 (3rd item in coursepack)
2) Solomon, Inductive Arguments, pg. 26-28 (2nd item in coursepack)

Week Four

Monday: Three-circle Venn Diagrams, Deductive and Inductive Fallacies

Wednesday: Syllogisms, Introduction to Russell “On Induction”

Readings: 1) Simpson, Parts 14 & 15
2) Russell, “On Induction” (4th item in coursepack)

Week Five

Monday: The Problem of Induction, Assessing “reason”

Wednesday: Fallacies, Professional Arguments

Readings: 1) Solomon, Argument by Analogy, pg. 28-30
2) Solomon, *Reductio ad Absurdum*, pg. 32
3) Solomon, Worst Kinds of Fallacies, pg. 32-33

Week Six

Monday: Thanksgiving Holiday

Wednesday: Fallacies, Deductive and Inductive, Venn and Syllogisms,

Readings: 1) Solomon, Worst Kinds of Fallacies, pg. 34-35

Week Seven

Monday: Fallacies, Review and Exam Handout

Wednesday: Exam One

Week Eight

Monday: Truth Functions, Symbols, Well Formed Formulas, Translation

Wednesday: Translating Complicated Sentences, Professional Arguments

Reading: Simpson, *Essentials*, 2.1-2.12

Week Nine

Monday: Defining the Operators, Truth Tables

Wednesday: Translation, Truth Tables, Professional Arguments

Reading: 1) Simpson, *Essentials*, 2.14-2.15
2) Solomon, Necessary and Sufficient Conditions, pg. 30-32

Week Ten

Monday: Types of Formulas

Wednesday: Translating Arguments, Professional Arguments

Reading: Simpson, *Essentials*, 2.17-2.23

Week Eleven

Monday: Truth Tables, Translation

Wednesday: Translation, Truth Tables, Professional Arguments

Week Twelve

Monday: Practice, Professional Arguments

Wednesday: Exam Two

Week Thirteen

Monday: Derivation Rules

Wednesday: Derivations

Reading: Simpson, *Essentials*, 3.1-3.9

Week Fourteen

Monday: Derivations

Wednesday: Final Quiz on Derivations

Reading: Simpson, *Essentials*, 3.1-3.9

5. Basis of Student Assessment (Weighting)

- 1. First Exam.....35%
- 2. Second Exam.....35%
- 3. Derivation Quiz.....10%
- 4. Homework20%
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There will be two open-book exams and one open book quiz. Student will be able to refer to the texts and their notes.

Homework must be handed in at the beginning of the next class. If students are late for class (parking, bus, coffee line up, etc.), he or she may hand in the assignment upon entering the class. Otherwise, **late homework will never be accepted.** At the end of semester all the homework grades will be sorted by grade into three groups, each containing one third of the assignments. The mean grade of the lowest group will be ignored. The mean grade of the middle group will count for 5% of the final grade. The mean grade of the highest group will count for 15% of the final grade. However, in cases where less than half the homework is handed in, the average of all the homework will be the homework grade.

6. Grading System

Standard Grading System (GPA)

Percentage	Grade	Description	Grade Point Equivalency
90-100	A+		9
85-89	A		8
80-84	A-		7
77-79	B+		6
73-76	B		5
70-72	B-		4
65-69	C+		3
60-64	C		2
50-59	D	Minimum level of achievement for which credit is granted; a course with a "D" grade cannot be used as a prerequisite.	1
0-49	F	Minimum level has not been achieved.	0

Temporary Grades

Temporary grades are assigned for specific circumstances and will convert to a final grade according to the grading scheme being used in the course. See Grading Policy E-1.5 at camosun.ca for information on conversion to final grades, and for additional information on student record and transcript notations.

Temporary Grade	Description
I	<i>Incomplete:</i> A temporary grade assigned when the requirements of a course have not yet been completed due to hardship or extenuating circumstances, such as illness or death in the family.
IP	<i>In progress:</i> A temporary grade assigned for courses that, due to design may require a further enrollment in the same course. No more than two IP grades will be assigned for the same course. (<i>For these courses a final grade will be assigned to either the 3rd course attempt or at the point of course completion.</i>)
CW	<i>Compulsory Withdrawal:</i> A temporary grade assigned by a Dean when an instructor, after documenting the prescriptive strategies applied and consulting with peers, deems that a student is unsafe to self or others and must be removed from the lab, practicum, worksite, or field placement.

7. Recommended Materials or Services to Assist Students to Succeed Throughout the Course

Do Your Homework: As mentioned, homework will be assigned at each class. The reason for this is that it is widely believed that this is the best way to learn logic; and whether it's the best or not, if you do all the homework, you will learn some logic. The course material is cumulative. So, it is extremely important that you keep up, and that you deal with problems and difficulties quickly when they arise. Don't think, "Oh, I'll figure it out later", because later there is something else for you to figure out.

LEARNING SUPPORT AND SERVICES FOR STUDENTS

There are a variety of services available for students to assist them throughout their learning. This information is available in the College calendar, at Student Services or the College web site at camosun.ca.

STUDENT CONDUCT POLICY

There is a Student Conduct Policy **which includes plagiarism**. It is the student's responsibility to become familiar with the content of this policy. The policy is available in each School Administration Office, at Student Services and on the College web site in the Policy Section.

Students may not use recording devices in the classroom without the prior permission of the instructor. However, the instructor's permission is not required when the use of a recording device is sanctioned by the College's Resource Centre for Students with Disabilities in order to accommodate a student's disability and when the instructor has been provided with an instructor notification letter which specifies the use of a recording device. Recordings made in the classroom are for the student's personal use only, and distribution of recorded material is prohibited.