



School of Arts & Science  
HUMANITIES DEPARTMENT

PHIL 212-001  
Introductory Symbolic Logic 2  
2007W

## COURSE OUTLINE

The Approved Course Description is available on the web @ \_\_\_\_\_

Ω 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:	Monday through Thursday, 2:00 – 3:00		
(c)	Location:	Y320		
(d)	Phone:	370-3508	Alternative Phone:	
(e)	Email:	Bannikof@camosun.bc.ca		
(f)	Website:			

### 2. Intended Learning Outcomes

(No changes are to be made to this section, unless the Approved Course Description has been forwarded through EDCO for approval.)

Upon completion of this course the student will be able to:

1. Translate complicated arguments into a standard symbolic language and use that language to produce rigorous proofs.

### 3. Required Materials

(a)	Texts	<a href="#">Essentials of Symbolic Logic by R. L. Simpson</a>
(b)	Other	

### 4. Course Content and Schedule

(Can include: class hours, lab hours, out of class requirements and/or dates for quizzes, exams, lectures, labs, seminars, practicums, etc.)

**Course Content** The course begins at §3.11 of the text. The system of derivations

which was studied in Philosophy 210 will be extended to include the construction of derivations having multiple scope lines. The course will then go on to cover predicate logic, logic that can deal with sentences using the words 'all' and 'some'. The last part of the course deals with derivations in predicate logic.

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**Structure** The course consists of three hours of lectures each week. Class time will primarily be spent going through the text and homework exercises.

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**Homework** There will be a short homework assignment given in almost every class. These assignments will consist of studying the text and completing some exercises. The written assignments will not usually take more than a page or two, and will involve such things as doing some translations or producing derivations. **The rule for homework is: written assignments will not be marked unless they are handed in at the beginning of the next class. If a student arrives late, he or she may hand in the assignment as soon as they enter class.** Part of each lecture period will consist of going through the assignment from the previous class, and this will not be of help to students who have not attempted the assignments. I will hand out solutions at the beginning of each class, so I recommend that students keep a copy of their homework to check against the solutions. This will help students to avoid repeating mistakes on the next assignment. Exceptions to this rule will be made only in the event of a documented illness or crisis that has caused a student to miss five or more homework assignments.

**Weekly Schedule Caveat:** What follows is a tentative schedule.

**Week One** Derivation Rules

Essentials of Symbolic Logic, Chapter 3 (3.11 – 3.15, 3.17)

**Week Two** Derivation Construction

*Essentials*, Chapter 3 (3.16 – 3.19)

**Week Three** Indirect Proof, Categorical Derivations

*Essentials*, Chapter 3 (3.20 – 3.23)

**Week Four EXAM ONE: On Wednesday**

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**Week Five**

Predicate Logic

*Essentials*, Chapter 4 (4.1 – 4.4)

**Week Six** Quantifiers

*Essentials*, Chapter 4 (4.5 – 4.9)

**Week Seven** Translations

*Essentials*, Chapter 4 (4.10 – 4.11, 4.14)

**Week Eight** Translation Problems and Domains

*Essentials*, Chapter 4 (4.12 – 4.14)

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**Week Nine** Arguments and Interpretations

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*Essentials*, Chapter 4 (4.15 – 4.18)

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**Week Ten** Exam Two

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(Which day of the week the exam is on will be announced in class in Week Nine.)

Derivation Rules in Predicate Logic

*Essentials*, Chapter 5 (5.1 – 5.3)

**Week Eleven** Derivation Rules

*Essentials*, Chapter 5 (5.4 – 5.8)

**Week Twelve** Derivation Strategies

*Essentials*, Chapter 5 (5.9 – 5.10)

**Week Thirteen** Derivation Strategies

*Essentials*, Chapter 5 (5.11 – 5.12)

Week Fourteen **Categorical Derivations**

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### 5. Basis of Student Assessment (Weighting)

(Should be linked directly to learning outcomes.)

(a)	Assignments	25%
(b)	Quizzes	
(c)	Exams	3 exams, 25% each
(d)	Other (eg, Attendance, Project, Group Work)	

### 6. Grading System

(No changes are to be made to this section, unless the Approved Course Description has been forwarded through EDCO for approval.)

#### Standard Grading System (GPA)

Percentage	Grade	Description	Grade Point Equivalency
95-100	A+		9
90-94	A		8
85-89	A-		7
80-84	B+		6
75-79	B		5
70-74	B-		4
65-69	C+		3
60-64	C		2
50-59	D		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 at [camosun.ca](http://camosun.ca) or 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 are designed to have an anticipated enrollment that extends beyond one term. No more than two IP grades will be assigned for the same course.

<b>CW</b>	<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.
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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](http://camosun.ca) for information on conversion to final grades, and for additional information on student record and transcript notations.

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

### 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](http://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.

ADDITIONAL COMMENTS AS APPROPRIATE OR AS REQUIRED