CAMOSUN COLLEGE	***School of Arts & Science*** ***HUMANITIES DEPARTMENT*** **PHIL 212-001** **Introductory Symbolic Logic 2** **Winter 2015**

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:	Tues. & Thurs. 1 – 3 pm Other times by appointment		
(c)	Location:	Y315F		
(d)	Phone:	370-3508	Alternative Phone:	
(e)	Email:	Bannikof@camosun.bc.ca		

2. Intended Learning Outcomes

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

1. Translate English sentences and arguments into the notation of sentence logic.
2. Construct proofs in sentence logic with truth tables and derivations.
3. Translate sentences and arguments into the notation of predicate logic.
4. Construct proofs in predicate logic with derivations.

3. Required Materials

(a)	Texts	Essentials of Symbolic Logic by R. L. Simpson

4. Course Content and Schedule

Dates of Each Week

Week One: January 5 to 9
Week Two: January 12 to 16
Week Three: January 19 to 23
Week Four: January 26 to 30
Week Five: February 2 to 6
Week Six: February 10 & 11 only (Family Day + Reading Break)
Week Seven: February 16 to 20
Week Eight: February 23 to 27
Week Nine: March 2 to 6
Week Ten: March 9 to 13
Week Eleven: March 16 to 20
Week Twelve: March 23 to 27
Week Thirteen: March 30 to April 2 (Good Friday)
Week Fourteen: April 7 to 10 (Easter Monday)

Weekly Schedule Caveat: What follows is a tentative schedule.

Week One Symbols, Truth Functions, Well Formed Formulas, Essentials of Symbolic
Logic (hereafter I will just indicate the section numbers) 2.1-2.6

Week Two Translation, 2.13; and Truth Functional Definitions, 2.14
(On the side: Truth Tables. 2.7 – 2.14)

Week Three Translation, 2.13; and Translating Arguments, 2.24
Begin Derivations, 3.1- 3.10

Week Four Translation & Derivations
Derivations, 3.11 – 3.17

Week Five Derivations, 3.18 -3.19

Week Six (BC Day, and Reading Break)
Indirect Proof and Categorical Derivations, 3.20 – 3.23

Week Seven Derivation Practice
Exam 1: Sentence Logic Translations and Derivations

Week Eight
Predicate Logic, 4.1 – 4.4; Begin derivations, 5.1 – 5.3

Week Nine Predicate Logic Translation, 4.1 – 4.4; inference rules, 5.4 – 5.5

Week Ten Quantifiers,4.5 – 4.9, People and Things, 4.10 – 4.11; inference rules, 5.6 – 5.7

Week Eleven Identity, Domains and Arguments 4.12 – 4.17; Derivations

Week Twelve Derivations, 5.9 – 5.10

Week Thirteen Derivation Strategies, Categorical Derivations, 5.12-5.15

Week Fourteen **Easter Monday: No Class**
Derivation Practice

Final Exam: **Predicate Logic Translations and Derivations**. To be scheduled by the college during the final exam period.

5. Basis of Student Assessment (Weighting)

(a)	Homework	25% (See note in section 7 below)
(b)	Exams	2 exams, 37.5% each