

CAMOSUN COLLEGE School of Arts & Science Department of Humanities

PHIL-212-01 Symbolic Logic Winter 2018

COURSE OUTLINE

The course description is available on the web @ http://camosun.ca/learn/calendar/current/web/phil.html

Please note: This outline will not be kept indefinitely. It is recommended students keep this outline for their records, especially to assist in transfer credit to post-secondary institutions.

1. Instructor Information

(a) Instructor	Sandy Bannikoff		
(b) Office	Wed & Fri, 12:30 -1:00. I am often available at other times;		
hours	check the schedule on my office door or speak to me to find a		
	time that works.		
(c) Location	Y315F		
(d)Phone	205-370-3508		
(e) E-mail	bannikof@camosun.bc.ca		

2. Intended Learning Outcomes

Upon completion of this course a 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) Text: Essentials of Symbolic Logic by R. L. Simpson

4. Course Content and Schedule

Weekly Schedule Caveat: What follows is a tentative schedule.

Week One (Jan. 8 -12)

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

Week Two (Jan. 15 - 19)

Translation, 2.13; and Truth Tables. 2.7 – 2.14

Week Three (Jan. 22 - 26)

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

Week Four (Jan 29 – Feb. 2)

Translation

Feb. 2, **Test One**: Sentence Logic Translation

Week Five (Feb. 5 - 9)

Derivations, 3.11 -3.19

Week Six Reading Break (Feb 13 – 17)

Week Seven (Feb. 12 - 16)

Indirect Proof and Categorical Derivations, 3.20 – 3.23

Week Eight (Feb 26 - Mar. 2)

Derivations

March 2, Test Two: Sentence Logic Derivations

Week Nine (Mar. 5 - 9)

Predicate Logic Translation, 4.1 - 4.5People and Things, 4.10 - 4.11

Week Ten (Mar. 12 - 16)

Identity, Domains and Arguments 4.12 – 4.

Week Eleven (Mar. 19 – 23)

Prediate Logic Derivations,

March 23, Test Three: Predicate Logic Translations

Week Twelve (Mar. 26 – 30)

Derivations, 5.1 - 5.

Week Thirteen (Apr. 2 – 6)

Derivation Strategies, Categorical Derivations, 5.12-5.15

Week Fourteen (Apr. 9 – 13)

Derivation Practice

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

5. Basis of Student Assessment (Weighting)

- (a) Homework 20% (See note in section 7 below)
- (b) Exams 4 tests, 20% each

6. Grading System

X	Standard Grading System	(GPA)

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

Test Policy

Contact me as soon as you are aware that you either will miss a test or have missed a test. If you need to miss a test, due to a prescheduled trip, for example, or because you have 5 tests in two days, make arrangements with me <u>beforehand</u> to reschedule. Make-ups will also be permitted in cases of illness or crisis. In the case of a personal crisis, students will be referred to the Camosun Counseling services.

Homework: There will be a short homework assignment given in almost every class. <u>Unless</u> prior arrangements have been made, students are expected to hand in their homework in person, in class. The rule for homework is: assignments will not be marked unless they are handed in at the beginning of the next class; no late homework will be accepted. Exceptions to this rule will be made only in the event of a documented illness or crisis. <u>The lowest 25% of homework grades will be</u> discounted on the basis of the necessity for students to learn from their mistakes.

8. College Supports, Services and Policies



Immediate, Urgent, or Emergency Support

If you or someone you know requires immediate, urgent, or emergency support (e.g. illness, injury, thoughts of suicide, sexual assault, etc.), **SEEK HELP**. Resource contacts @ http://camosun.ca/about/mental-health/emergency.html or http://camosun.ca/services/sexual-violence/get-support.html#urgent

College Services

Camosun offers a variety of health and academic support services, including counselling, dental, disability resource centre, help centre, learning skills, sexual violence support & education, library, and writing centre. For more information on each of these services, visit the **STUDENT SERVICES** link on the College website at http://camosun.ca/

College Policies

Camosun strives to provide clear, transparent, and easily accessible policies that exemplify the college's commitment to life-changing learning. It is the student's responsibility to become familiar with the content of College policies. Policies are available on the College website at http://camosun.ca/about/policies/. Education and academic policies include, but are not limited to, Academic Progress, Admission, Course Withdrawals, Standards for Awarding Credentials, Involuntary Health and Safety Leave of Absence, Prior Learning Assessment, Medical/Compassionate Withdrawal, Sexual Violence and Misconduct, Student Ancillary Fees, Student Appeals, Student Conduct, and Student Penalties and Fines.

A. GRADING SYSTEMS http://camosun.ca/about/policies/index.html

The following two grading systems are used at Camosun College:

1. Standard Grading System (GPA)

Percenta ge	Grade	Description	Grade Point Equivalenc y
90-100	A+		9
85-89	Α		8
80-84	A-		7
77-79	B+		6
73-76	В		5
70-72	B-		4
65-69	C+		3
60-64	С		2
50-59	D		1
0-49	F	Minimum level has not been achieved.	0

2. Competency Based Grading System (Non GPA)

This grading system is based on satisfactory acquisition of defined skills or successful completion of the course learning outcomes

Grade	Description	
COM	The student has met the goals, criteria, or competencies established for this course, practicum or field placement.	
DST	The student has met and exceeded, above and beyond expectation, the goals, criteria, or competencies established for this course, practicum or field placement.	

	The student has not met the goals, criteria or competencies
	established for this course, practicum or field placement.

B. 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 http://camosun.ca/about/policies/index.html for information on conversion to final grades, and for additional information on student record and transcript notations.

Temporary Grade	Description
I	Incomplete: 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	In progress: 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.
CW	Compulsory Withdrawal: 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.