



CAMOSUN COLLEGE
School of Arts & Science
Department of Humanities

PHIL-212-001
Symbolic Logic
Winter 2019

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 hours _____
- (c) Location Y232
- (d) Phone 205-370-3389 Alternative: _____
- (e) E-mail bannikof@camosun.bc.ca
- (f) Website _____

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, Third Edition, by R.L. Simpson,

4. Course Content and Schedule

Weekly Schedule Caveat: What follows is a tentative schedule.

Week One (Jan. 7 -11)

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. 14 - 18)

Translation, 2.13; and Truth Tables. 2.7 – 2.14

Week Three (Jan. 21 - 25)

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

Week Four (Jan 28 – Feb. 1)
Translation; Derivations, 3.11 -3.19

Week Five (Feb. 4 - 8)
Indirect Proof and Categorical Derivations, 3.20 – 3.23

Week Six (Feb 11 – 15) Mid-Term Exam: Thursday February 14th

Week Seven **Reading Break** (Feb 18 – 22)

Week Eight (Feb 25 – Feb. 29)
Predicate Logic Translation, 4.1 – 4.5

Week Nine (Mar. 4 – 8)
People and Things, 4.10 – 4.11

Week Ten (Mar. 11 – 15)
Identity, Domains and Arguments 4.12 – 4.

Week Eleven (Mar. 18 – 22)
Predicate Logic Derivations,

Week Twelve (Mar. 25 – 29)
Derivations, 5.1 – 5.

Week Thirteen (Apr. 1 – 5)
Derivation Strategies, Categorical Derivations, 5.12-5.15

Week Fourteen (Apr. 8 – 12)
Derivation Practice

Final Exam: The final exam will occur in the final exam period. The exam schedule will be posted in February.

5. Basis of Student Assessment (Weighting)

Homework.....25%
Midterm Exam.....35%
Final Exam.....40%

6. Grading System

Standard Grading System (GPA)

Competency Based Grading System

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

Homework: There will be a short homework assignment given in almost every class. Unless 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. The lowest 25% of homework grades will be discounted based on the necessity for students to learn from their mistakes.

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 beforehand to reschedule. Make-ups will be permitted in cases of documented illness or crisis. In the case of a personal crisis, students will be referred to the Camosun Counseling services.

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)

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		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.
NC	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	<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.
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.