

# PHIL-212 SYLLABUS



COURSE TITLE: PHIL-212: Symbolic Logic  
CLASS SECTION: 001  
TERM: Winter 2022  
COURSE CREDITS: 3  
DELIVERY METHOD(S): F2F, Tu/Th 12:30 – 1:50, Y316

Camosun College campuses are located on the traditional territories of the Ləkʷəŋən and WSÁNEĆ peoples. We acknowledge their welcome and graciousness to the students who seek knowledge here.  
[Territorial Acknowledgement](#)

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For COVID-19 information please visit <https://legacy.camosun.ca/covid19/index.html>.

*Camosun College requires mandatory attendance for the first class meeting of each course. If you do not attend, and do not provide your instructor with a reasonable explanation in advance, you will be removed from the course and the space offered to the next waitlisted student.*

## INSTRUCTOR DETAILS

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NAME: Sandra Bannikoff  
EMAIL: [bannikof@camosun.bc.ca](mailto:bannikof@camosun.bc.ca)  
OFFICE: Y232  
HOURS: M/W 3:30-4:30 and Tu/Th 11-12

*As your course instructor, I endeavour to provide an inclusive learning environment. However, if you experience barriers to learning in this course, do not hesitate to discuss them with me. Camosun College is committed to identifying and removing institutional and social barriers that prevent access and impede success.*

## CALENDAR DESCRIPTION

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This course will introduce elementary formal logic. Students will learn the formal logical analysis of basic sentences and arguments. The focus will be on sentence logic and predicate logic; other topics in logic may be introduced. This course is excellent preparation for any standardized test, e.g. GRE, MCAT, LSAT, GMAT.

## PREREQUISITE(S):

One of:

- C+ in English 12
- C in Camosun Alternative

CO-REQUISITE(S):

Not applicable

EXCLUSION(S):

Not applicable

COURSE LEARNING OUTCOMES / OBJECTIVES

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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.

REQUIRED MATERIALS & RECOMMENDED PREPARATION / INFORMATION

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The text book is available at the Lansdowne campus bookstore.

Essentials of Symbolic Logic: 3<sup>rd</sup> Edition, by R. L. Simpson, Broadview Press, 2008.

COURSE SCHEDULE, TOPICS, AND ASSOCIATED PREPARATION / ACTIVITY / EVALUATION

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The following schedule and course components are subject to change with reasonable advance notice, as deemed appropriate by the instructor.

WEEK or DATE RANGE	ACTIVITY or TOPIC	OTHER NOTES
	* The numbers below refer to sections in the Simpson text.	
January 10-14	Sentence Logic Formulas 2.1 to 2.6	
Jan 17-21	Sentence Logic Translation 2.7 to 2.13	
Jan 24-28	Truth Tables 2.14 to 2.24	
Jan 31 – Feb 4	Sentence Logic Derivations 3.1 to 3.17	

WEEK or DATE RANGE	ACTIVITY or TOPIC	OTHER NOTES
Feb 7-11	Sentence Logic Derivations 3.18 to 3.23	
Feb 14-18	Mid-term Exam Preparation 2.1 to 3.23 <b>Lecture # 2: MIDTERM EXAM</b>	
Feb 21-25	Reading Break	
Feb 28 – Mar 4	Predicate Logic Formulas Lecture #2: 4.1 to 4.4	
Mar 7 -11	Predicate Logic Translation 4.5 to 4.11	
Mar 14-18	Predicate Logic Translation 4.12 to 4.17	
Mar 21-25	Predicate Logic Interpretations and Derivations 4.18 to 5.10	
Mar 28 – Apr 1	Predicate Logic Derivations 5.11 to 5.12	
Apr 4-8	Predicate Logic Derivations 5.12 to 5.14	
Apr 11-14	Final Exam Preparation 4.1 – 5.14	

Students registered with the Centre for Accessible Learning (CAL) who complete quizzes, tests, and exams with academic accommodations have booking procedures and deadlines with CAL where advanced notice is required. Deadlines can be reviewed on the [CAL exams page](http://camosun.ca/services/accessible-learning/exams.html).  
<http://camosun.ca/services/accessible-learning/exams.html>

## EVALUATION OF LEARNING

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DESCRIPTION	WEIGHTING
Mid-term Exam (Chapters 2 & 3)	40%
Final Exam (Chapters 4 & 5)	40%
Homework	20%
<b>TOTAL</b>	<b>100%</b>

If you have a concern about a grade you have received for an evaluation, please come and see me as soon as possible. Refer to the [Grade Review and Appeals](http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf) policy for more information.  
<http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf>

## COURSE GUIDELINES & EXPECTATIONS

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1. The text in this course is Essentials of Symbolic Logic: 3<sup>rd</sup> Edition by R. L. Simpson (Broadview Press, 2008). The work students submit in this course must use the symbols defined in this text and follow the procedures outlined in this text.
2. Symbolic logic is naturally cumulative. It is necessary for students to understand Chapters 2 & 3 to be ready for the additional symbols introduced in Chapters 4 & 5.
3. There is a homework assignment to be completed for almost every class. The homework is to be done on paper and handed in at the beginning of class. If a student is late for class, their homework will be accepted only if it is handed in immediately upon their arrival.
4. If someone is unable to attend class in person due to illness or quarantine, if they are able to complete the assignments, they are asked to scan and email their homework to confirm it is completed on time. As soon as possible upon their return, students may submit the hard copies (either in class (see point 3) or in office hours) to be marked.
5. The lowest 25% of homework grades will be dropped to encourage students to learn from their mistakes. Any one who misses more than five homework assignments is asked to contact me as soon as possible to solve the problem.
6. There are two tests, one midterm exam on Chapters 2 & 3, and one final exam on Chapters 4 & 5. The final exam will be scheduled during the final exam period. The date of our exam will be posted by the college on February 18<sup>th</sup>.
7. The tests are open text book. This means that students may have access to their own copy of the Simpson text during the midterm and the final exam. Sharing text books during a test will not be permitted. While highlighting, short notations, and page markers are permitted, texts with copious notes written in them may not be used in tests.

## SCHOOL OR DEPARTMENTAL INFORMATION

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## STUDENT RESPONSIBILITY

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Enrolment at Camosun assumes that the student will become a responsible member of the College community. As such, each student will display a positive work ethic, assist in the preservation of College property, and assume responsibility for their education by researching academic requirements and policies; demonstrating courtesy and respect toward others; and respecting expectations concerning attendance, assignments, deadlines, and appointments.

## SUPPORTS AND SERVICES FOR STUDENTS

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Camosun College offers a number of services to help you succeed in and out of the classroom. For a detailed overview of the supports and services visit <http://camosun.ca/students/>.

Academic Advising	<a href="http://camosun.ca/advising">http://camosun.ca/advising</a>
Accessible Learning	<a href="http://camosun.ca/accessible-learning">http://camosun.ca/accessible-learning</a>
Counselling	<a href="http://camosun.ca/counselling">http://camosun.ca/counselling</a>
Career Services	<a href="http://camosun.ca/coop">http://camosun.ca/coop</a>
Financial Aid and Awards	<a href="http://camosun.ca/financialaid">http://camosun.ca/financialaid</a>
Help Centres (Math/English/Science)	<a href="http://camosun.ca/help-centres">http://camosun.ca/help-centres</a>
Indigenous Student Support	<a href="http://camosun.ca/indigenous">http://camosun.ca/indigenous</a>
International Student Support	<a href="http://camosun.ca/international/">http://camosun.ca/international/</a>
Learning Skills	<a href="http://camosun.ca/learningskills">http://camosun.ca/learningskills</a>
Library	<a href="http://camosun.ca/services/library/">http://camosun.ca/services/library/</a>
Office of Student Support	<a href="http://camosun.ca/oss">http://camosun.ca/oss</a>
Ombudsperson	<a href="http://camosun.ca/ombuds">http://camosun.ca/ombuds</a>
Registration	<a href="http://camosun.ca/registration">http://camosun.ca/registration</a>
Technology Support	<a href="http://camosun.ca/its">http://camosun.ca/its</a>
Writing Centre	<a href="http://camosun.ca/writing-centre">http://camosun.ca/writing-centre</a>

**If you have a mental health concern**, please contact Counselling to arrange an appointment as soon as possible. Counselling sessions are available at both campuses during business hours. If you need urgent support after-hours, please contact the Vancouver Island Crisis Line at 1-888-494-3888 or call 911.

### Academic Accommodations for Students with Disabilities

The College is committed to providing appropriate and reasonable academic accommodations to students with disabilities (i.e. physical, depression, learning, etc). If you have a disability, the [Centre for Accessible Learning](#) (CAL) can help you document your needs, and where disability-related barriers to access in your courses exist, create an accommodation plan. By making a plan through CAL, you can ensure you have the appropriate academic accommodations you need without disclosing your diagnosis or condition to course instructors. Please visit the CAL website for contacts and to learn how to get started: <http://camosun.ca/services/accessible-learning/>

### Academic Integrity

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.13.pdf> for policy regarding academic expectations and details for addressing and resolving matters of academic misconduct.

### Academic Progress

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.1.pdf> for further details on how Camosun College monitors students' academic progress and what steps can be taken if a student is at risk of not meeting the College's academic progress standards.

### Course Withdrawals Policy

Please visit <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.2.pdf> for further details about course withdrawals. For deadline for fees, course drop dates, and tuition refund, please visit <http://camosun.ca/learn/fees/#deadlines>.

### Grading Policy

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.5.pdf> for further details about grading.

### Grade Review and Appeals

Please visit <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.14.pdf> for policy relating to requests for review and appeal of grades.

### Mandatory Attendance for First Class Meeting of Each Course

Camosun College requires mandatory attendance for the first class meeting of each course. If you do not attend, and do not provide your instructor with a reasonable reason in advance, you will be removed from the course and the space offered to the next waitlisted student. For

more information, please see the “Attendance” section under “Registration Policies and Procedures” (<http://camosun.ca/learn/calendar/current/procedures.html>) and the Grading Policy at <http://camosun.ca/about/policies/education-academic/e-1-programming-and-instruction/e-1.5.pdf>.

### Medical / Compassionate Withdrawals

Students who are incapacitated and unable to complete or succeed in their studies by virtue of serious and demonstrated exceptional circumstances may be eligible for a medical/compassionate withdrawal. Please visit <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.8.pdf> to learn more about the process involved in a medical/compassionate withdrawal.

### Sexual Violence and Misconduct

Camosun is committed to creating a campus culture of safety, respect, and consent. Camosun’s Office of Student Support is responsible for offering support to students impacted by sexual violence. Regardless of when or where the sexual violence or misconduct occurred, students can access support at Camosun. The Office of Student Support will make sure students have a safe and private place to talk and will help them understand what supports are available and their options for next steps. The Office of Student Support respects a student’s right to choose what is right for them. For more information see Camosun’s Sexualized Violence and Misconduct Policy: <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.9.pdf> and [camosun.ca/sexual-violence](http://camosun.ca/sexual-violence). To contact the Office of Student Support: [oss@camosun.ca](mailto:oss@camosun.ca) or by phone: 250-370-3046 or 250-3703841

### Student Misconduct (Non-Academic)

Camosun College is committed to building the academic competency of all students, seeks to empower students to become agents of their own learning, and promotes academic belonging for everyone. Camosun also expects that all students to conduct themselves in a manner that contributes to a positive, supportive, and safe learning environment. Please review Camosun College’s Student Misconduct Policy at <http://camosun.ca/about/policies/education-academic/e-2-student-services-and-support/e-2.5.pdf> to understand the College’s expectations of academic integrity and student behavioural conduct.

**Changes to this syllabus:** Every effort has been made to ensure that information in this syllabus is accurate at the time of publication. The College reserves the right to change courses if it becomes necessary so that course content remains relevant. In such cases, the instructor will give the students clear and timely notice of the changes.