



## PHIL 120/001 – INTRODUCTION TO CRITICAL THINKING

Winter Term 1: Sep. 8 – Dec. 3, 2020

Web-Oriented Course, Credits: 3

Online Lectures: MWF 2pm – 3pm

Instructor: Dr. Alexandre Korolev

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Office Hours: by appointment

### Course Description:

The course is a basic introduction to logic and critical reasoning. It is designed to equip the students with the tools and concepts needed to deal with both everyday and more technical arguments, as well as the skills to analyse, and resolve, everyday confusions, ambiguities, and fallacies. The course is divided into 3 major parts:

- **Informal Logic.** Topics covered in informal logic include the analysis of arguments and resolution of ambiguities; the study of fallacies; the justification of belief.
- **Formal Logic.** Topics covered in formal logic include the distinction between deductive validity and inductive strength of arguments; elementary classical propositional logic (syntax, semantics, proof theory); Aristotelian/Term logic; intro to non-classical logics (relevance, modal, and many-valued logics).
- **Applying Logic to Arguments.** This includes discussion of inductive logic, scientific reasoning, and issues in the philosophy of logic.

This course will be of interest not only to philosophy students, but to all students interested in sharpening their logical skills and exploring the nature of reasoning.

### Required Text:

J. Woods, A. Irvine and D. Walton, *Argument: Critical Thinking, Logic and the Fallacies*, 2nd ed., Pearson Canada, 2004 (ISBN 0130399388). Available in bookstore.

**Course Website:** [www.canvas.ubc.ca](http://www.canvas.ubc.ca) → PHIL 120 001 2020W1

### Prerequisites:

No formal prerequisites, though basic logical skills are assumed. This course is restricted to students with fewer than 90 credits. It is intended as a precursor to Phil 220 (a core element in the honours and major programs) as well as a sequence of third-year logic courses (Phil 320, 321, 322, 323 and 324).

## **Online Class Format:**

The general format of the class is a mixture of online lectures (streamed via Collaborate Ultra through Canvas course website), online small group discussion activities, remotely proctored online tests (via Proctorio), review of assignments, and the Proctorio Final Exam.

This course is designed to accommodate students who might not be physically situated in Vancouver. The lectures will be recorded and stored on the course website and will also be made available for download to your own device, if needed. If you cannot join the class during the scheduled times and cannot actively participate in the class and ask questions by using the live chat tools, you can still be able to take part in the online discussions and share your thoughts, questions, and issues with both the class and the instructor.

## **IMPORTANT NOTE:**

In order to access all the material from the course website and take graded assessments (Discussion Activities, Online Tests, and the Final Exam) you are required to have access to a regular computer (Windows/Mac computer or laptop). You are *not* advised to take the assessments from mobile devices (e.g., iPhone, iPad, Android device, etc.) as many of them are known not to be fully compatible with all the features of the existing learning management platform. For all the Proctorio Tests and the Final Exam you will need a working webcam and microphone. You must also install the Google Chrome web browser & the Proctorio Extension.

## **Course Objectives:**

At the end of this course, you should be able to:

- Analyze arguments critically. This entails both the recognition of good arguments and the identification of fallacies (logical errors).
- Use classical propositional logic as the simplest tool for analysis of arguments.
- Identify alternatives to classical propositional logic from the philosophical literature and from applications to reasoning tasks.
- Apply analytical tools to reasoning in a variety of real-life contexts.

## Evaluation:

Online Discussion Activities	20%
Four Online Tests	40%
Proctorio Final Exam	40%

- **Discussion Activities:** We'll have several online small group discussion activities, roughly one per two weeks starting the 2nd week of classes. Prior to that every student will be assigned to one of several small groups (10 or so students), within which he or she will be expected to take part in all these group discussions. The more detailed instructions on the group discussions will be given shortly prior to the first Discussion Activity. All (equally weighted) Discussion Activities are worth 20% of your final grade.
- **Online Tests:** There will be four remotely proctored online tests (using Proctorio, a remote proctoring service software integrated into Canvas LMS). Each test is worth 10% of your final grade. To accommodate students who might be physically situated in different time zones, flexible test time arrangements (time windows within which tests must be taken and submitted) will be made possible.
- **Final Exam:** There will be an online, 2.5-hour long, cumulative final exam during the examination period weighing 40% of your final grade in this course. For the final exam, just like for the tests, this course will use Proctorio, an online remote invigilating tool.

Doing the textbook exercises and participation in online discussions are the key ingredients to the success in this course. **I highly recommend doing all the assigned problems (starred and unstarred) and actively participate in the online discussions** as the real test problem may closely resemble them, both in format and content. All starred problems have answers at the back of the book.

**Tentative Course Schedule (All Possible Changes Announced in Class):**

<b>Week #</b>	<b>Textbook Chapter / Lesson</b>	<b>Activity</b>
<b>Week 1 / Sep. 8</b>	Chapter 1: The Quarrel	
<b>Week 2 / Sep. 14</b>	Chapter 2: The Debate	<b>DA 1</b>
<b>Week 3 / Sep. 21</b>	Chapter 3: Dialectic	<b>Test 1</b>
<b>Week 4 / Sep. 28</b>	Chapter 4: Elementary Logic	
<b>Week 5 / Oct. 5</b>	Chapter 4: Elementary Logic (cont.)	<b>DA 2</b>
<b>Week 6 / Oct. 12</b>	Chapter 5: Formal & Informal Logic	<b>Test 2</b>
<b>Week 7 / Oct. 19</b>	Chapter 6: Formal Deductive Systems	
<b>Week 8 / Oct. 26</b>	Chapter 6: Formal Deductive Systems	<b>DA 3</b>
<b>Week 9 / Nov. 2</b>	Chapter 7: Non-Classical Propositional Logics	<b>Test 3</b>
<b>Week 10 / Nov. 9</b>	Chapter 8: Term Logic	
<b>Week 11 / Nov. 16</b>	Chapter 8: Term Logic (cont.)	<b>DA 4</b>
<b>Week 12 / Nov. 23</b>	Chapter 10: Inductive Logic & Scientific Reasoning	<b>Test 4</b>
<b>Week 13 / Nov. 30</b>	Chapter 14: Issues in the Philosophy of Logic	<b>DA 5</b>
<b>Exam Period Dec. 7 – Dec. 22</b>	Exact time and location TBA	<b>Final Exam</b>

**IMPORTANT NOTE:**

**This schedule is tentative and may be revised as the semester unfolds. All changes to the schedule will be announced in class (and only in class – if you miss a lecture, please make sure you find a way to inform yourself about the announcements made in class).**

## **Academic Concessions, Missed Assignments, and Grade Changes:**

According to the newly revised University Academic Concession policy taking effect on Sep. 1, 2019, students must contact me, the instructor, via email as soon as you are aware you may need an in-term concession. I will adjudicate your first request. You need to include a Student Self-Declaration form, found on the Arts Advising website at

[students-2016.sites.olt.ubc.ca/files/2018/01/Academic-Concession-Form-2-page-January-2018.pdf](https://students-2016.sites.olt.ubc.ca/files/2018/01/Academic-Concession-Form-2-page-January-2018.pdf)

Please note that, according to the new policy, for all consecutive concessions (second, third, etc.), you must make your request directly to your appropriate Faculty Advising Office. The official guidelines of what types of academic concessions are available to you and what procedures you need to follow to request them can be found at the following page:

[students.arts.ubc.ca/advising/academic-performance/help-academic-concession/](https://students.arts.ubc.ca/advising/academic-performance/help-academic-concession/)

As a rule, there'll be no make-ups for the graded activities because the answer keys for the assignments with the explanations are typically revealed to the class after the assignment deadline. If you do have a University valid excuse for missing them (see above about Academic Concession), I will transfer the weight of what you have missed to the weight of your final exam.

If you wish to have a grade reconsidered, write a brief note stating your reason. Typically, the note will outline what you take to be the requirements of a good answer and point out where you believe you met these requirements.

## **Learning Analytics:**

Learning analytics includes the collection and analysis of data about learners to improve teaching and learning. This course will be using the Canvas Learning Management System, capturing data about your activity and providing information that can be used to improve the quality of teaching and learning.

Overall, in this course, I may use analytics data to

- View overall class progress
- Track your progress in order to provide you with personalized feedback
- Review statistics on course content being accessed to support improvements in the course
- Track participation in discussion activity forums
- Assess your participation in the course.

## University Policies:

- **UBC General Policies:**

UBC provides resources to support student learning and to maintain healthy lifestyles but recognizes that sometimes crises arise and so there are additional resources to access including those for survivors of sexual violence. UBC values respect for the person and ideas of all members of the academic community. Harassment and discrimination are not tolerated nor is suppression of academic freedom. UBC provides appropriate accommodation for students with disabilities and for religious observances. UBC values academic honesty and students are expected to acknowledge the ideas generated by others and to uphold the highest academic standards in all of their actions. Details of the policies and how to access support are available on the UBC Senate website at [senate.ubc.ca/policies-resources-support-student-success](https://senate.ubc.ca/policies-resources-support-student-success)

- **UBC Plagiarism Policy:**

Plagiarism, which is intellectual theft, occurs where an individual submits or presents the oral or written work of another person as his or her own. Scholarship quite properly rests upon examining and referring to the thoughts and writings of others. However, when another person's words (i.e. phrases, sentences, or paragraphs), ideas, or entire works are used, the author must be acknowledged in the text, in footnotes, in endnotes, or in another accepted form of academic citation. Where direct quotations are made, they must be clearly delineated (for example, within quotation marks or separately indented). Failure to provide proper attribution is plagiarism because it represents someone else's work as one's own. Plagiarism should not occur in submitted drafts or final works. A student who seeks assistance from a tutor or other scholastic aids must ensure that the work submitted is the student's own. Students are responsible for ensuring that any work submitted does not constitute plagiarism. Students who are in any doubt as to what constitutes plagiarism should consult their instructor before handing in any assignments. A link about Academic misconduct is as follows:

[www.calendar.ubc.ca/vancouver/index.cfm?tree=3,54,111,959](http://www.calendar.ubc.ca/vancouver/index.cfm?tree=3,54,111,959)

- **Students with special needs:**

Students who require accommodations in this course due to a disability affecting mobility, vision, hearing, learning, or mental or physical health are advised to discuss their needs with the Disability Resource Centre at Brock Hall, Room 1203, 1874 East Mall or visit their website at

[you.ubc.ca/ubc-life/campus-community/students-disabilities](https://you.ubc.ca/ubc-life/campus-community/students-disabilities)

**Copyright:**

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