

**PHIL 125A - Practical Logic***3 Credits, 3 hours*

Practical Logic refers to the elementary methods and principles for analyzing, evaluating and constructing arguments. The course will focus on theory, explaining the core concepts and theoretical tools necessary for proper philosophical reasoning. This theoretical study will provide an introduction to formal notation, syllogism, informal fallacies, definitions and common argument forms. The course will also include instruction in the practical use of logic by explaining the skills and procedures used in sound argumentation. This practical exercise will provide basic instruction in writing arguments, evaluating media and applying diagnostic methods to reasoning as it occurs in contemporary debates.

*No prerequisites are required for this course.*

**Instructor**

Mark Young, Ph D.  
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**Office Hours**

Mondays 10:00am-11:00am  
Wednesdays 1:00pm – 4:00pm  
Thursdays 11:00am – 12:00pm  
(or by appointment)

**Hours of Instruction**

Mondays	2:30pm-3:50pm	PHIL 125A Team
Tuesdays	2:30pm – 3:50pm	PHIL 125A Team
Thursdays	2:30pm - 3:50pm	PHIL 125A Team
Fridays	2:30pm-3:50pm	PHIL 125A Team

**Required Resources**

None.

**Course Outcomes**

Upon successful completion of the course, students will be able to:

- Make important technical distinctions in regard to language and arguments.
- Interpret and critically assess important texts and arguments.
- Identify different forms of reasoning and fallacies.

**Evaluation**

Students will be evaluated on the basis of four exams. The first three exams will only cover new material, but the final exam will be cumulative. These exams will be both content and skill based, and an outline for each exam will be provided before the exam.

First Exam	17 May	15%
Second Exam	27 May	20%
Third Exam	7 June	25%
Final Exam	17/18 June	40%
Total		100%

*A grade of C- is required for progression or transfer.*

*The minimum standard for passing this course is a grade of D (50%).*

**Grading System**

Descriptor	Alpha Grade	4.0 Scale	Percent	Rubric for Letter Grades
Excellent	A+	4.0	> 92.9	Work shows in-depth and critical analysis, well developed ideas, creativity, excellent writing, clarity and proper format.
	A	4.0	85 – 92.9	
	A-	3.7	80 – 84.9	
Good	B+	3.3	77 – 79.9	Work is generally of high quality, well developed, well written, has clarity, and uses proper format.
	B	3.0	74 – 76.9	
	B-	2.7	70 – 73.9	
Satisfactory <b>Progression</b>	C+	2.3	67 – 69.9	Work has some developed ideas but needs more attention to clarity, style and formatting.
	C	2.0	64 – 66.9	
	C-	1.7	60 – 63.9	
Poor	D+	1.3	55 – 59.9	Work is completed in a general way with minimal support, or is poorly written or did not use proper format.
<b>Minimum Pass</b>	D	1.0	50 – 54.9	
Failure	F	0.0	< 50	Responses fail to demonstrate appropriate understanding or are fundamentally incomplete.

**Proposed Schedule of Topics****1. Critical Thinking: What and Why**

- 1.1 What's in a Name?
- 1.2 Critical Thinking and the Search for Good Reasons
- 1.3 Who's to Say What a Good Reason Is?
- 1.4 Good Reasons, Better Arguments and Rationality
- 1.5 Rational Discourse: Giving Reasons

**2. Arguments**

- 2.1 Argument Structure and Construction
- 2.2 The Argument: Form and Function
- 2.3 Arguments and Non-arguments
- 2.4 Units of Meaning

- 2.5 Standard Form for Simple Arguments
- 2.6 Enthymemes and the Principle of Charity
- 2.7 Standard Form for Complex Arguments
- 2.8 Expressing Yourself in Argument Form

### 3. Language

- 3.1 Definitions: Explaining Meaning
- 3.2 Definitions: Arguing Meaning
- 3.3 Understanding Conditionals and the Relationship of Implication
- 3.4 Language and the Gap between Intention and Communication

### 4. Good Arguments

- 4.1 Evaluating Arguments
- 4.2 Arguments, Arguers and Conclusions: Where to Start Your Evaluation
- 4.3 Acceptability
- 4.4 Relevance
- 4.5 Sufficiency

### 5. Bad Arguments

- 5.1 Fallacy Spotting and Building a Better Argument  
Specific Fallacies will be the focus, and relevant pages given in the lecture(s)

### 6. Deduction

- 6.1 The Three Modes of Argumentation
- 6.2 Validity
- 6.3 Categorical Logic
- 6.4 Immediate Inferences
- 6.5 Syllogisms
- 6.6 Propositional Logic  
Valid Deductive Arguments
- 6.7 The Strengths and Weaknesses of Deduction

### 7. Induction

- 7.1 Weston, *A Rulebook for Arguments, Fourth Edition*, pp.9-17, 31-36.

## Performance Requirements and Student Services

A late penalty of 3 marks per day, on a scale of 100, will apply to all late assignments, but will be waived for legitimate reasons if supporting documentation is provided. If an assignment is late, and not handed-in during class time, arrangements must be made with the instructor to hand-in the assignment. Should an assignment go missing, and the student is unable to produce another copy, the assignment will be considered not submitted. Likewise, if a grade is not recorded for an assignment the onus is on the student to demonstrate that the assignment was completed and graded. No late assignments are accepted after the last day of classes. No changes can be made to the class schedule, but exceptions can be made for legitimate reasons, such as an illness, if supporting documentation is provided.

## Student Responsibilities

It is your responsibility as a student to contact the Office of the Registrar to complete the forms for Withdrawal or Change of Registration, and any other forms. Please refer to the list of important dates as noted in the Academic Schedule in the [Keyano College credit calendar](#). The Keyano College credit calendar also has information about Student Rights and Code of Conduct. It is the responsibility of each student to be aware of the guidelines outlined in the Student Rights and Code of Conduct Policies.

### **Student Attendance**

Class attendance is useful for two reasons. First, class attendance maximizes a student's learning experience. Second, attending class is a good way to keep informed of matters relating to the administration of the course (e.g., the timing of assignments and exams). Ultimately, you are responsible for your own learning and performance in this course.

It is the responsibility of each student to be prepared for all classes. Students who miss classes are responsible for the material covered in those classes and for ensuring that they are prepared for the next class, including the completion of any assignments and notes that may be due.

### **Academic Misconduct**

Students are considered to be responsible adults and should adhere to principles of intellectual integrity. Intellectual dishonesty may take many forms, such as:

- Plagiarism or the submission of another person's work as one's own;
- The use of unauthorized aids in assignments or examinations (cheating);
- Collusion or the unauthorized collaboration with others in preparing work;
- The deliberate misrepresentation of qualifications;
- The willful distortion of results or data;
- Substitution in an examination by another person;
- Handing in the same unchanged work as submitted for another assignment; and
- Breach of confidentiality.

The consequences for academic misconduct range from a verbal reprimand to expulsion from the College. More specific descriptions and details are found in the Student Rights and Code of Conduct section of the Keyano College credit calendar. It is the responsibility of each student to be aware of the guidelines outlined in the Student Rights and Code of Conduct Policies.

In order to ensure your understanding of the concept of plagiarism, you must successfully complete the online tutorial found on [ilearn.keyano.ca](http://ilearn.keyano.ca). Then print the certificate, sign it, and show it to each of your instructors.

### **Specialized Supports**

The Student Services department is committed to Keyano students and their academic success. There are a variety of student supports available at Keyano College. Due to the continuing situation with the Covid-19 pandemic, the offered support services will be implemented differently this semester by being provided mostly virtually. In-person service can be requested as needed. All Alberta Health Services guidelines will be followed for in-person appointments—wear a mask, maintain two meters of physical distance, use hand sanitizer, and stay home if you are unwell.

All student services are available during Keyano business hours: Monday to Friday, 8h30-16h30.

**Accessibility Services:** provides accommodations for students with disabilities. Students with documented disabilities, or who suspect a disability, can meet with a Learning Strategist to discuss their current learning barriers and possible accommodations. Students who have accessed accommodations in the past are encouraged to contact us to request them for the semester. Please note that requesting accommodations is a process and requires time to arrange. Contact us as soon

as you know you may require accommodations. For accessibility services supports and to book a virtual appointment, please contact [accessibility.services@keyano.ca](mailto:accessibility.services@keyano.ca).

Accessibility Services also provides individual and group learning strategy instruction for all students, as well as technology training and supports to enhance learning. Meet with a Learning Strategist to learn studying and test-taking strategies for online classes. Schedule an appointment with the Assistive Technology Specialist to explore technology tools for learning. Book an appointment today by emailing [accessibility.services@keyano.ca](mailto:accessibility.services@keyano.ca)

**Wellness Services:** offers a caring, inclusive, and respectful environment where students can access free group and individual support to meet academic and life challenges. Mental Health Coordinators offer a safe and confidential environment to seek help with personal concerns. All individual appointments will continue virtually.

Wellness Services welcomes students to participate in any of the virtual group sessions offered throughout the academic year addressing topics including mindfulness and test anxiety.

Individual virtual appointments can be made by emailing [wellness.services@keyano.ca](mailto:wellness.services@keyano.ca).

**Library Services:** provides students with research and information supports as they engage in their studies. Library staff are available to support you both virtually and in person throughout the semester. For a detailed list of library supports and services, go to [www.keyano.ca/library](http://www.keyano.ca/library). For any inquiries, please email [askthelibrary@keyano.ca](mailto:askthelibrary@keyano.ca).

Begin your research with the Library's FIND page. Search for sources using OneSearch, the Library's Catalogue, or by searching in a specific database selected from the A-Z Database List.

Individual support with the Information Librarian is available virtually. Appointments can be requested by using the Book A Librarian online form.

Research and Subject Guides are helpful resources when beginning your research or addressing other information needs. To view a subject or course specific guide, go to the Subject Guide webpage [here](#).

To access additional research resources, including Citation Guides (APA, MLA, Chicago, or IEEE), go to the [Research Help Library page](#).

The Loanable Technology collection is available to support students in their online learning pursuits. Items available for borrowing include mobile projectors, webcams, noise cancelling headphones, Chromebooks, and laptops. For an up-to-date list of technology available for borrowing, go to the Library's [Loanable Technology webpage](#).

**Skill Centre:** Provides academic support services to students registered in credit programs at Keyano College in the form of tutoring, assignment/lab support, writing support groups, facilitated study groups, workshops, and study space. This service is free and is available for all Math, Sciences, Humanities and Trades courses offered at Keyano.

While most courses are being offered online, the Skill Centre will be offering mostly virtual services and in-person sessions as requested. Please email [Skill@keyano.ca](mailto:Skill@keyano.ca) to get in contact with our Academic Content Specialists. The Skill Centre is located in CC-119 at the Clearwater Campus.

For the most up to date information on how to book a session, please view the [Keyano Skill Centre homepage](#).

**Academic Success Coaching:** offers you support and access to resources for your academic success to help you to find the Keys to your Success. The Academic Success Coach will work with you to develop an academic success plan, develop your study and time management skills, and connect you with the right resources here at Keyano. [Academic.success@keyano.ca](mailto:Academic.success@keyano.ca) is the best way to access resources during virtual service delivery. The Academic Success Coach is located in the Skill Centre in CC-119 at the Clearwater Campus.

**E-Learning**

Technology and internet will impact your online learning experience. It's important that you are able to watch an online video and other course materials, take online quizzes, and participant in a live class with your instructor and other students.

Keyano College operates in a Windows based environment and having the correct tools for online learning is important. Here's a list of recommended system requirements.

**Internet Speed**

Minimum Internet speeds of 5 Mbps.

Recommended Internet speeds of 25 Mbps (especially if you are sharing your internet at home).

Check your internet speed with [Fast.com](http://Fast.com).

**System requirements:**

Microsoft Windows	Apple
<p><b>Minimum Requirements:</b></p> <p>A Windows 10 <b>computer/laptop</b></p> <ul style="list-style-type: none"> <li>· Minimum 4GB of RAM.</li> <li>· 10GB+ available hard drive storage.</li> <li>· Enough available hard drive space to install the Microsoft Office suite (approximately 3GB). <a href="#">Microsoft Office</a> software is free to all Keyano students and employees.</li> <li>· Microphone, webcam and speakers. A headset with a microphone is recommended.</li> <li>· System updates must be regularly installed.</li> <li>· Anti-Virus / Anti-Malware software</li> </ul>	<p><b>Minimum Requirements:</b></p> <p>A Macintosh (V10.14 and above) <b>computer/laptop</b></p> <ul style="list-style-type: none"> <li>· Minimum 4GB of RAM.</li> <li>· 10GB+ available hard drive storage.</li> <li>· Enough available hard drive space to install the Microsoft Office suite (approximately 3GB). <a href="#">Microsoft Office</a> software is free to all Keyano students and employees.</li> <li>· Microphone, webcam and speakers. A headset with a microphone is recommended.</li> <li>· System updates must be regularly installed.</li> <li>· Anti-Virus / Anti-Malware software.</li> </ul>
<p><b>Recommended Requirements</b></p> <ul style="list-style-type: none"> <li>· 8GB of RAM</li> <li>· A method of backing up/synchronizing to local or cloud-based storage such as OneDrive is highly recommended. This is included if you complete the setup of KeyanoMail and download MS Office using your Keyano email for free.</li> </ul>	<p><b>Recommended Requirements</b></p> <ul style="list-style-type: none"> <li>· 8GB of RAM</li> <li>· A method of backing up/synchronizing to local or cloud-based storage such as OneDrive is highly recommended. This is included if you complete the setup of KeyanoMail and download MS Office using your Keyano email for free.</li> </ul>

Chromebooks are **not** recommended as they are not compatible with testing lockdown browsers.  
A Microsoft Surface or iPad or iPad Pro may be possible alternatives in some program areas.

**Specific Department Requirements:**

Business and OA programs require Windows 10.  
Other programs may utilize Windows based tools as well.

**Computer Software**

Students will be able to get access to Microsoft Office 365 for free using Keyano credentials by [clicking here](#).

**Recording of Lectures and Intellectual Property**

Students may only record a lecture if explicit permission is provided by the instructor or by Accessibility Services. Even if students have permission to record a lecture or lecture materials, students may not share, distribute, or publish any of the lectures or lecture materials, this includes any recordings, slides, instructor notes, etc. on any platform. Thus no student is allowed to share, distribute, publish or sell course related content (instructor, or students) without permission. It is important to recognize that the Canadian Copyright Act contains provisions for intellectual property. The [Academic Integrity Policy](#) provides additional information on Keyano College's expectations from students as members of the intellectual community.

**ITS Helpdesk**

If you are having issues with your student account, you can contact the ITS Helpdesk by emailing [its.helpdesk@keyano.ca](mailto:its.helpdesk@keyano.ca) or calling 780-791-4965.

**Please watch your Keyano email for workshop announcements from our Student Services team.**