



Syllabus: PHIL& 120 Symbolic Logic - 35270

Course Information

Term: SPRING 2024

Credits: 5.00

Modality: Online

Instructor Information

Mike VanQuickenborne: 'Mike' will be fine

Pronouns: He/Him

Office Hours: By appointment

Email: mvanquickenborne@everettcc.edu

Instructions for emailing me:

1. DON'T use Canvas to email me
2. DO use your student email address (otherwise it could end up in my junk folder)

I will do my best to respond to email within 24 hours on days the college is in session.

Canvas issues: elearning@everettcc.edu

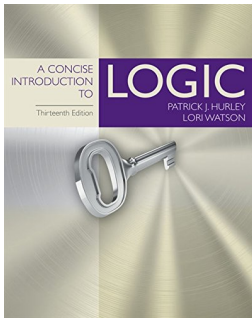
Prerequisites

Eligibility for MATH 96 or instructor permission

Distribution Information

Quantitative Skills requirement, the Natural Science (Non-Lab) requirement, or an A list elective

Books and Materials



**A Concise Introduction to Logic + Mindtapv2.0, 1
Term Printed Access Card**

ISBN: 9781305958098

Authors: Patrick J. Hurley

Publication Date: 2017-01-01

Edition: 13

Books and Materials

[Everett Community College Bookstore](#)

As you see above, I have chosen to **require** the class to use Patrick Hurley's *A Concise Introduction to Logic*, 13th Edition (please note that older editions will NOT work for this class), along with MindTap. Please note, in order to access MindTap, **an essential tool** for learning the material, you CANNOT purchase ~~Cengage Unlimited eTextbooks~~, you need to **purchase the full Cengage Unlimited**, which you can do for \$129.99 via the link above as of March 2024.

Key to Sections in the Textbook

In the video lectures I am referring to an earlier edition of the text which is fundamentally the same as our current text, but has organized the material into slightly different chapter numbers. Below, I show you how to make the conversion between the sections I refer to in the video lectures and those in our current text.

Key to sections in the textbook:

OUR TEXT:	VIDEO REFERENCES:
Chapter 1	Chapter 1
Chapter 4 (Note 4.7 = 3.6)	Chapter 3
Chapter 6	Chapter 5
Chapter 7	Chapter 6
Chapter 8	Chapter 7
Note: subsection numbers are the same	

Required Websites

logiconline.weebly.com (Where you will find most course materials)

<https://everettcc.instructure.com> (Your exams, grades, and announcements will be posted here)

Course Description

The course is a study of the methods and principles used to distinguish correct from incorrect reasoning. After establishing a few basic concepts, the course will proceed to discuss three types of symbolic logic: Categorical, Propositional, and Predicate. Students are expected to participate in working through problems and proofs presented in the text and in class.

Student Learning Objectives

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

- Analyze the structure of arguments
- Demonstrate through identification and analysis an understanding of

key concepts such as: validity, soundness, deduction vs. induction, premises, and conclusions

- Demonstrate why arguments are valid or invalid using three forms of symbolic logic: Categorical, Propositional, and Predicate logic

Assignments

Your grade will be based solely on your performance on four exams and two quizzes. (More details on these assignments are found in Canvas.) ~~The quizzes will be closed-book and notes and for the four exams you will be able to use a note sheet, as long as you follow the guidelines described on the **Logic Exam Guidelines** handout which is posted at the bottom of the “Before the First Exam” tab on our website.~~ When I have finished grading your quizzes and exams I will post the score to Canvas, ~~and you will have an opportunity to look at (but not keep) your exams on the next day we meet.~~ To prepare you for the exams a practice exam (which you will not turn in) will be posted to the course website before you take the exam. The practice exams will have the same types of problems that you will encounter on the actual exams and it will have an answer key to check your results.

Course Grade Breakdown

Assignment:	Percentage:	Points:
Syllabus Quiz	3%	15
How to use Aplia Quiz	1.6%	8
Exam 1	29.2%	146
Exam 2	18%	90
Exam 3	25%	125
Exam 4	23.2%	116

Assignment:	Percentage:	Points:
TOTAL:	100%	500

Grades

A course grade is...an inadequate report of an inaccurate judgement by a biased and variable judge of the extent to which a student has attained an undefined level of mastery of an unknown proportion of an indefinable material. –Paul Dressel

Your grade is based solely on the quantity and quality of your work done on time, not your intentions, personality, or even how hard you worked on a particular exam. I will not curve the course in any way. The grading scale is as follows (in points):

A: 463-500	C+: 383-397	Basic Translation:
A-: 448-462	C: 363-382	An "A" is "excellent"
B+: 433-447	C-: 348-362	A "B" is "good"
B: 413-432	D+: 333-347	A "C" is "average"
B-: 398-412	D: 313-332	A "D" is "minimally passing"
	F: 0-312	An "F" is "failing"

Extra Credit

You can earn up to 22 points of extra credit for doing the Chapters 1, 4, 6, 7, and 8 Practice Tests available on MindTap. See the Assignments in Canvas for important details.

Class Interaction

I will be interacting with you on a regular basis throughout the course. This will be in any of four modalities:

1. Class Announcements: I will make announcements to the class via Canvas at least eleven times this quarter. These announcements will contain important class information, so be sure to check these on a regular basis.
2. Comments on your exams: I will comment on your exams via the comment text box that you can view when you look at your grade on an exam.
3. Email: I will respond to your emails according to the criteria set out in the "Instructor Information" section above. Furthermore, I have a program on my iPad that allows me to write on my screen and record my voice. So, if you have a question about a specific problem in MindTap/Aplia or the text, or somewhere else, you can send me a screenshot, take a picture of the problem on your phone, or just write it out in your email, and I can talk you through how to solve the problem and send you a video of my explanation.
4. Zoom: I can be available (by appointment) for Zoom meetings. Simply email me and we can set up a meeting. (Please note that the more specific you can be about what kind of help you will need, the more helpful I can be.)

How to be Successful in this Course

In order to meet the course goals it is imperative that you read the text, watch my lecture videos, and perhaps **most importantly**, do as many problems as you can using MindTap (also known as Aplia). We are not meeting face-to-face, when I might be able to give you immediate feedback on your work, but using the software platform known as Aplia in the MindTap component of your Cengage Unlimited subscription can go a long way toward giving you a meaningful sense of whether or not you are understanding the material. Like a math class you may have taken in the past, how well you will do in this course is fundamentally dependent on how many problems you can work on yourself, rather than how many problems you see me work out in a lecture video.

Class Schedule

Due Date	Assignment Name	Assignment Type	Points
4/5	Welcome Video & Syllabus Quiz	Quiz	15
4/9	How to use Aplia Assignments Quiz	Assignment	8
4/22	Extra Credit Practice Tests on Chapters 1 and 4	Assignment	0
4/22	Exam 1	Assignment	146
5/6	Extra Credit Practice Test on Chapter 6	Assignment	0
5/6	Exam 2	Assignment	90
5/29	Extra Credit Practice Test on Chapter 7	Assignment	0
5/29	Exam 3	Assignment	125
6/12	Extra Credit Practice Test on Chapter 8	Assignment	0
6/12	Exam 4	Assignment	116

Simplified Class Schedule

Assignment:	When the assignment is taken:
Welcome Video and Syllabus Quiz	Due no later than 11:59 PM on Friday, April 5th
How to use Aplia Quiz (found in MindTap)	Due no later than 11:59 PM on Tuesday, April 9th

Assignment:	When the assignment is taken:
Exam 1	Taken from 6:00 PM - 8:30 PM on Monday, April 22nd
Exam 2	Taken from 6:00 PM - 8:30 PM on Monday, May 6th
Exam 3	Taken from 6:00 PM - 8:30 PM on Wednesday, May 29th
Exam 4	Taken from 6:00 PM - 8:30 PM on Wednesday, June 12th

Late Work

If you miss the exam, you cannot make it up, except in cases of an emergency.

Note that an unexpected request to work during class is not an emergency. You have to make a choice between making school or work the higher priority. Your chances for succeeding in this class will increase if you make school the higher priority. If there is an emergency I will require two things: 1) you, or someone who is acting on your behalf, must email me within 24 hours of the missed exam, and 2) you must provide documentation supporting your claim. **If you fail to meet either of these conditions, I will not allow you to take a make up, or give you credit for your assignment.**

Also, note that you will NOT have the opportunity to redo assignments for a higher grade, so take each assignment seriously.

While this policy may be stricter than you are used to, please know that I see enforcing strict deadlines as connecting with Goal 4.1 of Everett Community College's Strategic Priorities, specifically 'developing curricular experiences that support career-connectedness,' which I take to mean providing classroom experiences that prepare students for successful careers, many of which involve meeting rigid deadlines and not having the option to re-do work.

Academic Integrity

As part of an academic community, EvCC students are expected to submit only their own work and avoid occurrences of plagiarism. This includes submitting answers that are not your own on quizzes and exams. The [Writing Center's Avoiding Plagiarism Guide](#) includes resources for understanding what plagiarism is and how to avoid it.

More specifically and more legalistically, note that **Washington State law (WAC 132E-12-160) defines plagiarism** as “including, but not limited to, presenting or submitting another person’s, entity’s, and/or sources’ ideas, words, or other works in an instructional course without assigning proper credit.” Note that the word "entity" here encompasses **generative AI (such as Chat GPT, Dall-e, Bard, Playground, etc.), and thus may not be used** to replace student work for this class.

Plagiarism is completely unacceptable and any student who cheats on an assignment (e.g. working with someone else on a quiz or exam) will receive a score of zero for that assignment and all future assignments in the course. Also, any incidents of this type will be reported to the Dean of Student Development as a violation of the Student Conduct Code, which is described in the [Student Rights and Responsibilities handbook](#).

Access to Technology

The Library Media Center loans Chromebooks, netbooks, wifi hotspots, and calculators to currently enrolled students. Contact the Circulation desk for availability and check-out procedures: circulation@everettcc.edu. See the [Technology Resources](#) page for how to access free versions of Microsoft Office 365 and for discounts on other hardware and software.

Important Dates

Registration and payment dates, application and refund deadlines, the final examination schedule and all other information related to the academic year and each individual quarter is available [on the college website](#).

Flexibility Statement

I have attempted to make this syllabus as comprehensive and accurate as possible and I may occasionally need to make adjustments during the quarter. I will announce any changes via Canvas.

Support for Students

Students are encouraged to read the [Student Rights and Responsibilities Handbook](#) to be aware of their full scope of rights. Please read on for a description of some especially helpful resources for students.

Academic Grievance Procedure

If a student has evidence that they have been: Unfairly treated in matters related to grading, course policies or expectations; falsely accused of cheating; or inappropriately penalized for alleged cheating; they may be said to have an academic grievance. Students can approach any member of the campus community whom they trust for guidance on following the formal and informal [academic grievance procedures](#).

Accessibility

In accordance with the [Americans with Disabilities Act Policy](#), EvCC is committed to ensuring that classes are accessible to all students, including those with visible and invisible disabilities. If at any point a student is not able to access the space, content, or experience of a course they should contact the [Center for Disability Services](#) (425-388-9272, or cds@everettcc.edu).

I also want you to be aware of the fact that you may be one of many students who are neurodivergent. This may manifest in Autism Spectrum Disorder, Attention Deficit Hyperactivity Disorder (I myself have been diagnosed with this), Dyslexia, Dyscalculia, Dysgraphia, and others. If you think any of these may apply to you, I strongly encourage

you to contact the CDS as indicated above, if you have not already done so. For those of you who already have registered a disability with the CDS, I especially recommend you contact them to activate any applicable accommodations in this class so that you do not come to regret that you did not. Finally, if you have any questions about any of this, I would also be glad to talk to you!

Basic Needs

It can be challenging to do your best in class if you have trouble meeting basic needs like safe shelter, sleep, or nutrition. [EvCC's food pantry](#) is available for walk-ins and by appointment. [Student Emergency Assistance Grants](#) are also available for unexpected emergencies.

Civility

As outlined in the [campus civility statement](#), Everett Community College is committed to providing a safe learning and working environment. The expectation is that all students will conduct themselves in a civil, respectable and appropriate manner as a responsible member of the college community. [The Student Rights and Responsibilities Handbook](#) identifies and describes college expectations, students' rights, and outlines the process for resolving disciplinary matters, including Student Code of Conduct violations. The provisions of the Student Code of Conduct apply to all students whenever they are on the college campus, in college housing, or engaged in college-sponsored activities and functions.

Counseling

A [survey](#) from August 14, 2020 from the U.S. Centers for Disease Control and Prevention indicated that one in four young people ages 18 to 24 had seriously considered suicide in the previous 30 days. Half of the respondents in that age group reported experiencing symptoms of anxiety or depression, and 75 percent reported experiencing at least one "adverse mental- or behavioral-health symptom." If you find

yourself feeling that things are hopeless, please know that things are never hopeless and I am glad to talk to you. We also have professional counselors employed at the college who are there to serve all students **for free**.

Everett Community College Counseling & Student Success (CSS) offers appointments for currently enrolled students with professional counselors for Academic/Educational Counseling, Career Counseling, and free short-term Personal Counseling, as well as referral to community resources to help students adjust to, cope with, and succeed in college. To make an appointment, visit Parks Student Union, 3rd Floor, call 425-388-9263, or email counseling@everettcc.edu.

Pathways Coaches

Pathways coaches are available to help you navigate your college experience, including helping you navigate academic resources and services. They are available to meet in person or over Zoom. See the [EvCC Pathways Coaches page](#) for contact information for your Pathways coach.

As valuable as Pathways Coaches are, they are not meant to offer academic advising, however. To receive academic advising, you have been assigned an academic advisor, which you can access via the [MyEvCC Student Portal](#).

Faith and Conscience Leave

Everett Community College students are entitled to [two days of excused absences](#) per academic year (summer quarter through the end of spring quarter) for reasons of faith or conscience or for organized activities conducted under the auspices of a religious denomination, church, or religious organization. Such absences must be requested in writing within the first two weeks of the class or the first week for a late start class and may not incur additional fees for students.

Help with Technology

For help with Canvas, Panopto, or Zoom, contact eLearning at elearning@everettcc.edu or visit the [eLearning website](#). For help with logins, passwords, and email, contact IT at helpdesk@everettcc.edu or visit the [IT help desk website](#).

Non-Discrimination Statement

Everett Community College offers equal opportunity in education and employment. For more information, visit the Equal Opportunity and Title IX website: EverettCC.edu/EqualOpportunity.

Title IX Policy and Procedure

As outlined in EvCC's Title IX Policy, the college recognizes its responsibility to investigate, resolve, implement corrective measures, and monitor the educational environment and workplace to stop, remediate, and prevent discrimination on the basis of sex, as required by Title IX of the Educational Amendments of 1972, Title VII of the Civil Rights Act of 1964, the Violence Against Women Reauthorization Act, and Washington State's Law Against Discrimination, and their implementing regulations. As outlined in the [Title IX Procedure](#), any employee, student, applicant, or visitor who believes that they have been the subject of Sexual Harassment should report the incident or incidents to Everett Community College's Title IX Coordinator: titleixcoordinator@everettcc.edu or 425-388-9271.

Land and Labor Acknowledgements

I am taking this opportunity to acknowledge that the land Everett Community College campuses reside on are the traditional and ancestral lands of the Tulalip (ta-lay-lup) Tribes, the Sauk-Suiattle (sock swa-ttle) Indian Tribe and the Stillaguamish (still-a-gwamish) Tribe of Indians. The main campus is built upon the ancestral territory of the Hibulb (hee-bulb) Village, which once stood as a rich cultural, economic, and political center for the Snohomish (sna-hoe-mish) Tribe. After European American arrival, the

Snohomish (sna-hoe-mish) people, along with several other tribal nations, negotiated the Treaty of Point Elliott and relocated to what is now the Tulalip (ta-lay-lup) Reservation. It is my goal that by remembering the nations who have been here since time immemorial, we acknowledge the truth of our past and join together in building bridges of understanding and collaboration for the empowerment of indigenous students and their communities.

I also acknowledge that so much about our country—its culture, its economic growth, and its development—has been made possible by the labor of enslaved Africans and both their ascendants who suffered the horror of the transatlantic trafficking and chattel slavery, and their descendants who suffered the long shadow of Jim Crow. I acknowledge the transgenerational legacy of the violence they endured and its impact that continues to burden lives today. I likewise acknowledge our nation's historical and continuing exploitation of and reliance upon immigrant and migrant labor, workers who to this day toil in difficult, dirty, and dangerous working conditions, making "the American way of life" more accessible and affordable for the majority while socioeconomically able to enjoy but few of the fruits of their own labor. I embrace the many responsibilities necessary for transformative action—both individual and collective—implicit in these acknowledgements. More specifically, at Everett Community College much of the workforce has joined together to form a variety of labor unions, and this syllabus and class are the product of my labor as a member of [AFT Everett Higher Education, local 1873, AFL/CIO](#).



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For Further Reading

In case you are interested in reading further about Symbolic Logic and its history, I recommend both of the following Everett Community College Library books:

- *Labyrinths of Reason* by William Poundstone is an engaging and well-written book of puzzles and explanations of the logic and philosophical theories behind those puzzles.

- *Logicomix* by Apostolos Doxiadis and Christos Papadimitriou is a graphic novel about the history of logic and mathematics.

The Gallery

Over the years, students have added bits of art to their exams, and I have selected the most appealing examples below:

The Gallery:

