

Clarion University of Pennsylvania

Course Title: Logic Inquiry

Course Code: PHIL 111

Course Prerequisite: None

Course Description: Philosophy, literally “friend of wisdom,” is a two-fold activity. Initially we think of the “reflective” discipline that attempts to address life’s big questions about ourselves and our world, but there is also a “doing” component concerned with developing the ability to think critically and evaluate various responses to philosophical problems. This course focuses on the “doing” aspect, encouraging students to develop the critical thinking skills necessary to evaluate a wide variety of information.

“Logic is the study of the methods and principles used to distinguish good (correct) from bad (incorrect) reasoning” (Copi, 2). Since life in the "information age" of the 21st century demands that we sort through large quantities of data, some valuable - some worthless- it is necessary to acquire the critical thinking skills that allow us to easily distinguish the quality of information coming through various media channels (TV, radio, Internet, stock quotes, financial reports, proposals, grants, etc.). Logic teaches rudimentary reasoning skills that will help you refine your decision-making and information-sorting skills. This class requires at least two hours of study for every one hour spent in the classroom. Students will be expected to attend regularly and participate in class discussions.

Course Length: 10 Weeks

Course Competencies: Upon successful completion of this course, the student should be able to:

1. Apply formal language skills.
2. Recognize and evaluate arguments.
3. Construct clear, effective arguments.
4. Analyze the linguistic structure of statements to derive implications.
5. Apply problem-solving and critical thinking skills.
6. Develop creative strategies for reasoning through complex arguments.
7. Utilize evidence to support sound views.
8. Apply critical thinking skills an employment interview, selling a product or piece of work, bidding for projects, and writing grants and making presentations.

Students with Disabilities: It is a policy of Clarion University of Pennsylvania to not discriminate against qualified students with documented disabilities in its educational programs. If you have a disability-related need for modifications in this class, contact your instructor and a school counselor (located in the Student Services Office). Instructors should be notified during the first week of classes..

Grading Scale:

A	100 to 90
B	89 to 80
C	79 to 70
D	69 to 60
E	59.9 and below

Clarion University of Pennsylvania-WPHSON
Course Syllabus

Course Title: Logic & Inquiry
Course Code/Section: PHIL 111
Session/Year: Fall 2013
Meeting Day/Time: 12:30-2:30 PM; Thursday Hybrid Online
Instructor: Diane Bowser, Ph.D.
Contact Info:

Phone: 724. 613. 2727

Web Site: <http://www.thinkingshop.com/Clarion/logic-wp/index.htm>

E-Mail: dbowser@clarion.edu

Instructor Availability: Tuesdays before or after class by appointment. Online appointments via Skype or Google Hangouts are also available with 48 hours prior notice.

Course Outline

	Tuesday: Lecture & Seminar Discussion ON CAMPUS	Homework Due Following Week]	Reading – Due Before Class
Week 1	<i>Session 1: Tuesday In-class</i> ♦ Introduction to Logic ♦ Pre-course Survey discussion <i>Session 2</i> ♦ 1.1 Arguments, Premises & Conclusions ♦ 1.2 Recognizing Arguments	See web site: Sections 1.1 & 1.2 due Week 2 at the beginning of class.	Sections 1.1 & 1.2
Week 2	<i>Session 1</i> ♦ 1.3 Deduction & Induction <i>Session 2</i> ♦ 1.4 Validity, Truth, Soundness, Strength, Cogency ♦ Discuss web resources & applications of logic.	See web site: Sections 1.3 & 1.4 due Week 3 at the beginning of class. <i>The signed Learning Contract (see last page of syllabus) is also due.</i>	Sections 1.3 & 1.4
Week 3	<i>Session 1</i> ♦ 1.5 Proving Invalidity <i>Session 2</i> ♦ QUIZ 1.1 - 1.4 {NO MAKEUP}	See web site: Sections 1.5 due §eek 4.	Sections 1.5 &
Week 4	<i>Session 1</i> ♦ 6.1 Symbols and translation <i>Session 2</i> ♦ 6.2 Truth Functions ♦ In-depth illustrations of truth operators. ♦ Discussion of the difference between ordinary language & formal symbolic logic.	See web site: Sections 6.1 & 6.2 due Week 5 at the beginning of class.	Sections 6.1 & 6.2
Week 5	<i>Session 1</i> ♦ 6.3 Truth Tables for Propositions ♦ How truth tables work – the nuts & bolts of the reasoning behind truth tables ♦ Review <i>Session 2</i> ♦ 6.4 Truth Tables for Arguments ♦ Truth tables & computer programming: the connections to animation, game art & web design	See web site: Section 6.3 & 6.4 due Week 6 at the beginning of class.. See “Reading” to the right.	Sections 6.3 & 6.4

	Tuesday: Lecture & Seminar Discussion ON CAMPUS	Homework Due Following Week]	Reading – Due Before Class
Week 6	<i>Session 1</i> ♦ 6.5 Indirect truth tables ♦ The shortcuts, error testing and looking for anomalies <i>Session 2</i> ♦ 6.6 Argument Forms & Fallacies ♦ Present in-depth illustrations of argument forms. ♦ Discuss the applications of argument forms and language patterns in programming and legal language.	See web site: Section 6.5 & 6.6	Sections 6.5 & 6.6
Week 7	<i>Session 1</i> ♦ 3.1 Fallacies in General ♦ Learn how to distinguish logical from psychological arguments <i>Session 2</i> ♦ 3.2 Fallacies of Relevance ♦ QUIZ Chapter 6 {NO MAKEUP}	See web site: Section 3.2 due Week 9	Sections 3.1 & 3.2
Week 8	<i>Session 1</i> ♦ 3.3 Fallacies of Weak Induction ♦ Simulated final #1 from sections 3.2-3.3 <i>Session 2</i> ♦ 3.4 Fallacies of Presumption, Ambiguity and Grammatical Analogy ♦ Learn how to recognize ambiguity and bad analogies ♦ Post-course survey discussion.	Final homework assignment from Section 3.2 due. The remainder of our assignments will be done in class. Please bring all exercises from Sections 3.3 & 3.4 with you to class during Weeks 9 & 10.	Sections 3.3 & 3.4
Week 9	<i>Session 1</i> ♦ In class assignment 3.3 <i>Session 2</i> ♦ In class assignment 3.4 ♦ Review ♦ Discuss Final format ♦ Post-course survey reminder ♦	This week there is no homework due. We will do an in-class practice session to prepare for the final. Review all material for final and go over exercises or quizzes that were difficult.	Catch up on all sections for final if behind!
Week 10	<i>Session 1</i> ♦ Review Session (Question & Answer) ♦ Final Quiz Chapter 3 [NO MAKEUP]. <i>Session 2</i> ♦ Course Summary Wrap-up – Discussion of logic applications for contract and design situations		

Materials & Supplies: text, notebook, pencils in class

Required Text: Hurley, Patrick J. *A Concise Introduction to Logic*, 11th Edition. Belmont, CA: Wadsworth Publishing Company, 2012 (ISBN 978-0840034168)

1. **Best value on text** <http://www.cengagebrain.com/shop/ISBN/9780840034175?cid=APL1>; this site will give you Chapter 1 for free and you must buy Chapters 3 & 6 for \$10.50/each. Total cost is around \$21.00! **Caution:** You are buying encrypted PDFs and should only use/download these files on your computer or a computer that you regularly have access to. You are expected to bring the PDFs to class either digitally or hardcopy for each session!
2. **Chegg.com** also rents copies of texts for a reasonable fee if you like having the hard copy. Numerous used text sites are also listed on our class web site.

Estimated Homework Hours: 8 hours per week

Student Evaluation/Methods of Assessment:

Hybrid Participation (4 content surveys)	15%
Homework	25%
3 Quizzes @ 20% each	60%
	100%

Class Policies:

General:

1. Learning can only occur when there is no fear or negativity. Thus, students are expected to show respect, tolerance and compassion for everyone in the room. Disruptive behavior and foul language will not be tolerated; students who engage in these behaviors will be asked to leave class.
2. **Attendance Policy:** any student who misses 3 or more Tuesday sessions during the quarter will receive a failing grade for the course. With the exception of extreme medical emergencies or school-related activities, there are no excused absences for this course. *I will not sign a withdraw slip after you have missed 3 Tuesday sessions. You must see me to withdraw before you fail due to attendance!*
3. **Students who sleep in class will be marked absent.**
4. **Please set all cell phones to silent mode or OFF before entering class.** Do not take calls or text message during class unless it is an absolute emergency. Getting up to take a call or text messaging during a lecture is rude. In an emergency you should quietly exit the room to take a call.
5. **You are responsible for your level of learning and participation in this class.** That means if you do not understand assignments or lectures, it is your responsibility to bring relevant questions to class and attend scheduled Google+ Homework Hangouts. I cannot know if you are struggling unless you communicate with me.
6. **All e-mail communications must contain your name, class and section letter in the subject line of your message if you would like a reply (e.g., Bob Smith, West Penn Logic - question).** I receive approximately 150 e-mail messages per day that are sorted automatically. Hence, I will not receive your message without this critical information.

Exams:

7. Students may not leave the room for any reason during an exam. If you have to leave the room, you can turn in your exam and it will be considered complete at that point.
8. Anyone who uses an electronic device (laptop or cell phone) during an exam will receive a failing grade for the course.
9. Anyone caught cheating on an exam will receive a failing grade for the course.
10. **NO MAKEUP EXAMS WILL BE GIVEN UNLESS ARRANGEMENTS ARE MADE IN ADVANCE WITH THE INSTRUCTOR. IF YOU ARE ABSENT ON AN EXAM DATE, YOU WILL BE GIVEN A ZERO FOR THAT PART OF YOUR GRADE.**

Homework Assignments:

11. **All homework assignments must be completed in a notebook or electronic device before the beginning of class.** You may choose to write or type your assignments, but you must be ready to show your completed assignment at the beginning of class when attendance is taken. If you arrive late, your homework will not be accepted under any circumstances.
12. **WHEN ARE HOMEWORK ASSIGNMENTS DUE?** Homework assignments are due at the beginning of each class during Weeks 2-9. The due date for each entry is in the syllabus above.
13. **You must check your homework with Logic Coach showing both your original work and the corrections you made after checking the problems to receive full credit for each homework assignment.** If you are hand-writing homework, making corrections is as simple as using a different colored pen or pencil to show the corrections on your original copy. If you choose to type your homework, then show the correct in a different colored font. Homework without these notations will not be awarded credit as it is assumed answers were copied from Logic Coach.

14. **You may not copy or cut and paste another student's homework.** You may not work on homework with another student in our class (or a student from another section of the same class). Each student is responsible for doing his/her own homework assignment. Assignments turned in that are cut and paste copies or exact duplicates of another student's work will not receive credit. Assignments are considered cut and paste if they contain substantial segments that are duplicated from another student's homework. **For typewritten work, even if fonts and spacing are different, assignments that have the exact same content will be considered duplicates.** Neither assignment will receive credit regardless of who did the work.
15. **Homework assignments should contain grammatically correct sentences and problem numbers as they appear in the text.** Homework assignments that are done incorrectly (i.e., the instructions in the text and/or guidelines given in class are ignored) will not receive credit under any circumstances. You may not redo an assignment for credit if it is done incorrectly.
16. **You should try to do all of the problems assigned and describe any difficulties you may be having during completion of the assignment.** Hybrid Participation Surveys will be a vehicle for doing this as will our weekly homework checks at the beginning of class. This will insure that I am aware of your concerns and allow me to respond. We will go over the homework assignment at the beginning of class after the homework credit check. Please bring any questions you have regarding the current assignment so that I can address them before we move on.
17. **Late homework assignments: I will not accept late homework assignments for any reason.** Homework assignments not shown during the homework check at the beginning of class will receive zero credit and negatively affect your final grade. If you are late or absent from class for any reason you cannot receive credit for that week's assignment unless prior arrangements have been made with the instructor in advance.
18. **THERE ARE NO EXTRA CREDIT ASSIGNMENTS AVAILABLE IN THIS CLASS.** You are expected to turn in work regularly and study throughout the quarter. There will be no opportunities outside of regular assignments to "save" yourself if you find that you are not passing the course.
19. **You are responsible for saving a copy of all assignments and quizzes that have been graded and handed back.** If there is a discrepancy between your records and mine, you should be able to show me the assignment in question.
20. **You must use Logic Coach to help with homework.** Logic Coach can be downloaded free on the book resource site. There are links on our class home page and the homework page.

Hybrid Content Surveys

1. **There will be 4 Content Surveys along with a Pre and Post Critical Thinking Survey as part of the hybrid segment of this class. These surveys in addition to Homework Hangouts delivered on Google + provide us an opportunity to interact in smaller groups online.** The surveys provide the opportunity for students to pose in-depth questions and allow me to assess the effectiveness of material presentation in both class lectures and the text. Completing the surveys is mandatory while attending the Google + Homework Hangouts is optional.
2. **Links for the surveys will be sent via email announcements during the week that they are due.** Generally you will have from Thursday afternoon until Sunday evening to complete the survey. This allows a wide time window so that you can complete the homework and assigned readings before responding to the survey
3. **Late surveys will not be accepted for credit under any circumstances.**
4. **Survey results will be compiled on Monday and shared with the class during Tuesday's lecture.**
5. **Please see the attached grading rubric for detailed information concerning the grading of your participation.** For some surveys it may be necessary to do research and you will be expected to cite and provide a bibliography for the resources that you use to answer the survey questions. If you need help with citations or bibliographies please visit the following site: [Son of a Citation Machine](http://citationmachine.net/index2.php?reqstyleid=1&newstyle=1&stylebox=1). : (Click the link or cut and copy this URL into your web browser: <http://citationmachine.net/index2.php?reqstyleid=1&newstyle=1&stylebox=1>).

Homework Assessment:

Homework will be assessed according to the following rubric:

Homework Points	Criteria for score
5 points	<ol style="list-style-type: none">1. All homework problems completed2. All homework problems checked in Logic Coach and corrections are clearly marked in a different color ink, pencil or font if typed.3. Student makes notations about problems answered correctly/incorrectly4. Student brings text/PDFs to class
4 points	<ol style="list-style-type: none">1. 75% of all assigned homework problems completed2. All homework problems checked in Logic Coach and corrections are clearly marked in a different color ink, pencil or font if typed.3. Student makes notations about problems answered correctly/incorrectly4. Student brings text/PDFs to class
3 points	<ol style="list-style-type: none">1. 50% of all assigned homework problems completed2. All homework problems checked in Logic Coach and corrections are clearly marked in a different color ink, pencil or font if typed.3. Student makes notations about problems answered correctly/incorrectly4. Student brings text/PDFs to class
1-2 points	<ol style="list-style-type: none">1. 50% or less of all assigned homework problems completed2. Completed homework problems are not checked in Logic Coach3. Student does not makes notations about problems answered correctly/incorrectly4. Student brings text/PDFs to class
0 points	<ol style="list-style-type: none">1. No assigned homework problems completed2. Student brings text/PDFs to class

Hybrid Content Survey Assessment:

Your participation in the 4 content surveys will be assessed according to the following rubric:

Homework Points	Criteria for score
5 points	<ol style="list-style-type: none">1. Survey is completed on time2. All content related questions are answered completely and with substantive replies.3. Student demonstrates an excellent understanding of material delivered in lectures, online notes and via homework assignments.4. Student proposes or suggests ideas for understanding the material in the context of critical thinking and everyday argumentation. At least two original real world examples, not including those copied from lectures, are used to support responses to questions.

Homework Points	Criteria for score
4 points	<ol style="list-style-type: none"> 1. Survey is completed on time 2. All content related questions are answered completely and with substantive replies. 3. Student demonstrates a solid understanding of material delivered in lectures, online notes and via homework assignments. 4. Student proposes or suggests ideas for understanding the material in the context of critical thinking and everyday argumentation. At least one real world example, not including those copied from lectures, is used to support responses to questions.
3 points	<ol style="list-style-type: none"> 1. Survey is completed on time 2. All content related questions are answered completely and with substantive replies. 3. Student demonstrates a good, but not perfect, understanding of material delivered in lectures, online notes and via homework assignments. 4. Student proposes or suggests ideas for understanding the material in the context of critical thinking and everyday argumentation, but these ideas are not backed by cited courses, real world examples, etc.
1-2 points	<ol style="list-style-type: none"> 1. Survey is late but not by more than one day , 24 hours from due date, OR 2. Content related questions are not answered completely with substantive replies, OR 3. Student demonstrates a partial but incomplete understanding of material delivered in lectures, online notes and via homework assignments. In this case, it is obvious from the reply that the student did not read the text, attempt homework or attend lectures where material was covered, OR 4. Student does not propose ideas for understanding the material in the context of critical thinking and everyday argumentation.
0 points	<ol style="list-style-type: none"> 1. The assigned content survey was not completed or was poorly done with no attention to detail or reference to the assigned material for this course.

Grade Tracker:

Please log into D2L to learn about your grade is at any time throughout the quarter. Alternately, you may ask me in person, via email or privately by phone at any time during the trimester.

Learning Contract – Clarion Logic (PHI 111) Section _____ Trimester/Year: _____
Student Name: _____ E-mail (must be checked regularly) _____
Cell Phone: _____ (optional – only if you would prefer a call versus an e-mail)

The contract terms below ensure that students are aware of the expectations that guide grading for the above course. By signing this contract you are acknowledging awareness of your responsibilities for completing this course. If you decline to sign, the conditions and requirements noted below will still apply. No exceptions will be made to the terms and conditions set forth below and in the syllabus.

TERMS:

Attendance:

1. The attendance policy is in effect for this course. If I miss 3 or more Tuesday sessions, a failing grade will result regardless of coursework or the various reasons for my absences.
2. Attendance in class is required and I realize that I am responsible for all material covered in class even if I do not attend.

Syllabus & Class Policies:

1. I have read and understand the course syllabus and class policies regarding conduct, coursework, exams, requirements and use of electronic devices in class.
2. I understand that it is my responsibility to regularly check the course web site (<http://www.thinkingshop.com/Clarion/logic-wp/index.htm>) and calendar on the syllabus for announcements (web site) and assignment due dates (syllabus).

Reading Assignments & participation:

1. This is an intermediate level philosophy class. Reading assignments are geared toward undergraduates performing at the college level. Hence, it is customary to have to re-read assignments one or two times to get the gist of the information contained therein. Depending on my skill level and degree of focus, it may take three readings of a particular assignment to achieve adequate comprehension of the material.
2. All reading assignments should be completed BEFORE the lecture covering the material.
3. It is my responsibility to ask questions in class if I do not understand the material.
4. It is my responsibility to contact the instructor and/or get a tutor if I am having difficulty comprehending the material or meeting course requirements.
5. Participation includes having the text in class and responding to questions during the lectures.

Exams:

1. All policies regarding student conduct during exams have been reviewed.
2. I understand the no make-up policy.
3. If I am going to be out on the day of an exam, I know that I have to schedule an alternate test time at least one week in advance of the absence.
4. Material for the exams will come from homework assignments and lectures.

Homework :

1. I understand that all homework assignments must be completed in a notebook or typed by the start of Tuesday's class.
2. Late homework assignments will not be accepted for any reason.
3. I understand that my homework must be completed and checked in Logic Coach independently; copying another person's homework will result in a zero grade.
4. Assignments should be completed for study purposes after the due date but they will NOT COUNT TOWARD MY GRADE.
5. I will receive a zero ("0") grade for all missing homework assignments.

I have read and agree to the terms above.

Signed: _____

Date: _____