Syllabus for Philosophy 2303: Logic  
Fall 2012

Course Description:
PHIL.2303: Logic. Section 2001: 9:00-10:20pm TR Room-K245
Prerequisite: None.
The critical and correct construction and analysis of arguments using induction, deduction and scientific reasoning. Students will practice analyzing fallacies, definitions, analogies, and uses of language. They will learn to use some of the elementary tools of formal logic, such as Venn diagrams, truth tables, and formal proofs using the rules of inference. (3 Lec.)
Coordinating Board Academic Approval Number 3801015235

Instructor:
Dr. Jerrod Scott
(Office) K205
(Office Hours) MTWR 8-9; F 9-10
(On-Campus Hours) MW 1:30-2:30; TR 12-2 and 2-2:45 (wellness); F 8-9 and 10-11:30
(Office Phone) 972.860.4826
(email) jscott@dcccd.edu

Required Materials:

Course Objectives & Goals:
This is an introductory course in logic. The superficial goal is to learn how to properly evaluate arguments. Students will learn how to spot basic fallacies, and how to avoid these fallacies in their own work. Students will also learn how to use a variety of tools (Venn diagrams, truth tables and formal proofs) to dissect and analyze arguments.
The deeper and more fundamental goal is to learn how to think. Regardless of one’s occupation, being able to analyze evidence and come to a reasoned conclusion is of paramount importance. This course in logic, more than any other class one can take, will train one to do just that.

PHIL.2303-Learning Outcomes

Upon completion of PHIL.2303, students should be able to demonstrate competence in Logic by:

I. Applying critical thinking skills by analyzing and assessing the validity and strength of various arguments in exams and quizzes.
II. Displaying knowledge of a variety of methods for analyzing arguments by taking a comprehensive final exam in which multiple methods must be used.

Course Requirements:
You are expected to be present and prepared for class each day. This means that each day you will have read that day’s assignment (see schedule below) and will have completed the assigned exercises. To be successful in this class, you must do the homework and come to class each day.

Rather than lecture, I prefer to spend the majority of class time doing the exercises. I will regularly ask students to do exercises in class. Thus, you need to do the exercises before class. As you can see, it is to your advantage to read each assignment carefully, attend every class, and participate in discussions as much as possible. Your grade will be a factor of 3 elements: quizzes, tests, and the final exam.

1. Quizzes: I will give you 10 pop-quizzes throughout the semester, but only the best 5 will count towards your final grade (so you have 5 you may drop, or miss altogether). The quizzes will be from the assigned exercises. Sometimes I may simply check your homework for a quiz grade. So, if you have done your homework, the quizzes will be very easy. Since I will drop the 5 lowest quiz scores, I will not give make-up quizzes for any reason. Also note, I may give a quiz at any time during class, so do not leave early, and be on time.

2. Tests: Throughout the semester there will be 3 tests (see schedule for test dates). Each test will contain exercises that were in the homework. Thus, if you are doing your homework, the exercises in the tests will be familiar.

3. Final Exam. At the end of the semester there will be a comprehensive final exam.

Grading: The quizzes will count for 15% of your final grade, each test will count for 20%, and the Final will count for 25%. To make this easy to calculate (for you and me), each quiz is worth 3 points, each test is worth 20 points, and the final exam is worth 25 points. Added all together, you can get 100 total points (remember I drop the 5 lowest quizzes). I grade according to the standard 10-point scale. I do not curve grades, so every point matters:

<table>
<thead>
<tr>
<th>Points</th>
<th>Grade</th>
</tr>
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<tbody>
<tr>
<td>90-100</td>
<td>A</td>
</tr>
<tr>
<td>80-89</td>
<td>B</td>
</tr>
<tr>
<td>70-79</td>
<td>C</td>
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<tr>
<td>60-69</td>
<td>D</td>
</tr>
<tr>
<td>59 and below</td>
<td>F</td>
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Attendance Policy: I do not count attendance as part of your grade. However, if you miss several classes, or if you are regularly tardy, you will miss a few quizzes, and that will affect your grade.

Absence due to Religious Holy Days: Students who will be absent from class for the observance of a religious holiday must notify the instructor in advance. Please refer to the college catalog, Student Obligations section.
Withdraw Dates
If you are unable to complete this course, you must withdraw by the dates indicated in the course schedule (see schedule below). Withdrawing from a course is a formal procedure which YOU must initiate. I cannot do it for you. You may do this in Admissions or counseling. If you stop attending and do not withdraw, you will receive a performance grade, usually an “F.”

Financial Aid Recipients
If you are receiving Financial Aid grants or loans, you must begin attendance in all classes. Do not drop or stop attending any class without consulting the Financial Aid Office. Changes in your enrollment level and failing grades may require that you repay financial aid funds.

ADA Statement:
If you are a student with a disability and/or special needs who requires ADA accommodations, please contact BHC College Disability Services Office at the beginning of the semester, so appropriate accommodations can be made.

Cheating:
Commission of any of the following acts shall constitute academic dishonesty:
1. Copying the work of another student during an examination.
2. Copying from the textbook during an examination.
3. Informing a person of the contents of an examination prior to the time the examination is given.
4. Failing to credit sources used in a work or product in an attempt to pass off the work as one’s own.
5. Attempting to receive credit for work performed by another, including papers obtained in whole or in part from individuals or other sources, including the internet.
6. Attempting to receive credit in one or more classes for the same paper or project without written approval of instructors involved.
7. Agreeing with one or more persons to commit an act of scholastic dishonesty.
8. Taking an examination for another person or allowing someone to take an examination for you.
9. Signing an attendance sheet for another student or committing similar acts of impersonation.

Cheating of any kind will result in a “0” for that assignment. A second infraction will result in the grade of “F” for the semester and a report sent, by the instructor, to the proper college officials.

Make-Up Quizzes & Exams:
As I said above, I will not give a make-up quiz for any reason. I drop 5 and you should not be absent or tardy more than 5 times. So, you should have no reason to need a make-up quiz. Since the final exam is at the end of the semester, you clearly cannot make it up. Thus, the 3 tests are the only assignments you may be able to make-up. If you miss a test, you must notify me before class that you will be absent, or within one day of the test date. You must have an excused absence. If you fail to notify me in time, or the
absence is unexcused, you will not be able to make-up the test.

No food or drink is allowed in the classroom.

Cell phones are no longer allowed in the Testing Center, and should be turned off while in the classroom.

The instructor has the right to add, delete, or revise segments of this course or syllabus.

**Schedule of Readings:** (I provide the section number as well as the page numbers that you must read prior to class, and you are expected to have completed **all** exercises within the assigned page numbers **before** class. All page numbers refer to our text, *A Concise Introduction to Logic*. Test Dates and holidays in bold type.)

### Critical Thinking

**Chapter One: Basic Concepts**
- Tue. 8/28: Introduction/Syllabus
- Thur. 8/30: 1.1 and 1.2
- Tue. 9/4: 1.3
- Thur. 9/6: 1.4
- Tue. 9/11: 1.5

**Chapter Three: Fallacies**
- Thur. 9/13: 3.1 and 3.2
- Tue. 9/18: 3.3
- Thur. 9/20: 3.4
- Tue. 9/25: 3.5

**Thur. 9/27** TEST ONE

### Formal Logic

**Chapter Four: Categorical Propositions**
- Tue. 10/2: 4.1 and 4.2 and 4.3
- Thur. 10/4: 4.4
- Tue. 10/9: 4.5
- Thur. 10/11: 4.6 and 4.7

**Chapter Five: Categorical Syllogisms**
- Tue. 10/16: 5.1
- Thur. 10/18: 5.2
Tue. 10/23  5.3
Thur. 10/25  5.4 and 5.5

Tue.10/30  TEST TWO

Chapter Six: Propositional Logic
Thur. 11/1  6.1

Tue. 11/6  6.2 and 6.3
Thur. 11/8  6.4

Tue. 11/13  6.5
Thur. 11/15  6.6

Chapter Seven: Natural Deduction
Tue. 11/20  7.1
Thur. 11/22  Thanksgiving Day, no class.

Tue. 11/27  7.2
Thur. 11/29  7.3

Tue. 12/4  TEST THREE
Thur. 12/6  7.4

Thur. 12/13  FINAL EXAM 9:00-10:50pm, I will not give the final at any other time.

Students will be able to retrieve their grades on-line through the Internet on DCCCD eConnect web-site at http://econnect.dcccd.edu or through the telephone touch-tone system at 972-613-1818. Students who do not have Internet access at home or work may also access their grades by using drop-in computer labs at various college locations. Students must select the Student Menu, click on My Personal Info. And scroll down to My grades. Students may request official academic transcripts free of charge at the Admissions Office. Student advising reports (an unofficial document, which includes a history of their DCCCD coursework, grades, GPA, and academic standing) are also available from both the Academic Advising Office and the Admissions Office.