MORAVIAN COLLEGE
COURSE SYLLABUS
SPRING 2012

PHIL 211 Symbolic Logic
TR 6b (2:35 PM – 3:45 PM)
Classroom: Comenius 218
Instructor: Dr. Bernie Cantens
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Office Hours: Thurs. 1:00-2:00
              Weds. 10:00-11:00

Text
The Power of Logic (4th Edition) Editors Frances Howard-Snyder, Daniel Howard Snyder and Ryan Wasserman (New York: McGraw-Hill, 2009)

ISBN 978-0-07-3407737-1

Course Description:
In-depth analysis of various types of arguments, including those in knowledge theory and ethics, which relate to professional and social issues; verbal puzzles; categorizing schemas.

Learning Outcomes/Competency
The following outcomes are expected of students who complete this course:
1)- Understand the nature of reasoning.
2)- Articulate his/her thoughts in a logical and clear fashion.
3)- Recognize fallacies
4)- Construct good arguments.
5)- Evaluate deductive arguments.
6)- Evaluate inductive arguments.

Topics:
1)- Basic Logical Concepts
2)- Identifying Arguments
3)- Informal Fallacies
5)- Categorical Logic
6)- Statement Logic
7)- Statement Logic Proofs

Learning Methods:
Readings, lectures, discussions, exercises, and exams.

Attendance Policy:
Attendance is mandatory. Students will lose 1 point for every unexcused absence up to a possible 5 points. Students can make up lost points in unexcused absences by actively participating in class discussions. Unexcused absences included only the following: (1) sickness with a doctor's note, (2) death in the family or (3) some other extraordinary event.

Academic Dishonesty Policy
See Student Handbook pp. 32 – 38

Student Behavior:
See Student Handbook pp. 38 – 40

Disability
Students who wish to request accommodations in this class for a disability should contact Mr. Joe Kempfer, Assistant Director of Learning Services for Disability Support, 1307 Main Street (extension 1510). Accommodations cannot be provided until authorization is received from the office of Learning Services.

Grading/Measures of evaluations:
Test 1: February 2   20%
Test 2: February 21   20%
Test 3: March 20   20%
Test 4: April 5   20%
Test 5: May 4 (1:30 PM)   20%

Extra Credit
Students will have the opportunity of earning up to a maximum of 3 extra credit points. Students who attend 3 philosophy club meetings or other selected meetings with philosophical content (must be approved by professor beforehand) will earn 3 extra credit points. If you only attend 1 or 2 meetings you will receive no extra credit.

A 100-95; A- 94-90; B+ 89-87; B 86-84; B- 83-80; C+ 79-77; C 76-74; C- 73-70; D+ 69-67; D 66-64; D-63-60; F <59

PROGRAM AND READING ASSIGNMENTS

DATE	TOPIC	HOME WORK DUE
	BASIC CONCEPTS	
January 17	Introduction	

January 19	1.1 Validity and Soundness	
January 24	1.2 Forms and Validity Some Logic	1.1(A) All; 1.1(B) All 1.1(C) All; 1.1(D) All
January 26	1.3Counterexamples and invalidity 1.4 Strength and Cogency	1.2(A) 1-30; 1.2(B) 1-15 1.2(C) 1-15; 1.2(D) 1-15
January 31	Review	1.3(A) 1-10; 1.3(B) 1-10; 1.4(A) All; 1.4(B) All; 1.4(C) All
February 2	**TEST 1**	
	IDENTIFYING ARGUMENTS	
February 7	2.1 Arguments and Nonarguments 2.2 Well-Crafted Arguments	
	INFORMAL FALLACIES	
February 9	4.1 Fallacies of Irrelevance 4.2 Fallacies of Ambiguity	2.1(A) 1-25; 2.1(B) 1-10 2.2(A)1-10
February 14	4.3 Fallacies Involving Unwarranted Assumptions	4.1(A) 1-20; 4.1(B) All; 4.2(A) All
February 16	Review	4.3(a) All
February 22	**TEST 2**	
February 23	**No Class**	

	CATEGORICAL LOGIC	
February 28	5.1 Standard Forms of Categorical Statements 5.2 Traditional Square of Opposition 5.3 Further Immediate Inferences	
	CATEGORICAL LOGIC: SYLLOGISM	
March 1	6.1 Standard Form, Mood, and Figure 6.2 Venn Diagrams and Categorical Statements 6.3 Venn Diagrams and Categorical Syllogisms	5.1(A) 1-10; 5.2(A) 1-15 5.2(B) 1-10; 5.2(C) 1-4
March 6	**Recess**	
March 8	**Recess**	
March 13	6.4 Modern Square of Opposition	6.1(A) 1-10; 6.1(B) 1-15 6.3(A) 1-10
March 15	Review	6.4(A) 1-5
March 20	**TEST 3**	
	STATEMENT LOGIC	
March 22	7.1 Symbolizing English Arguments 7.2 Truth Tables	
March 27	7.3 Truth Tables and Arguments	7.1(A) 1-20; 7.1(C) 1-10 7.1(D) 1-10; 7.2(A) 1-25

March 29	7.5 Logically Significant Categories	7.3(A,B) 1-20
April 3	Review	7.5 (A,B,C, 1-10)
April 5	**TEST 4**	
	STATEMENT LOGIC: PROOFS	
April 10	8.1 Implicational Rules of Inference	
April 12	8.2 Five Equivalence Rules 8.3 Five More Equivalent Rules	8.1(A) 1-10; 8.1(C) 1-20 8.1(D) 1-25
April 17	8.4 Conditional Proofs 8.5 *Reductio ad Absurdum*	8.2(C) 1-10; 8.2(D) 1-10 8.3(C) 1-10; 8.3(D) 1-10
April 19	8.6 Proving Theorems	8.4(A) 1-20; 8.5(A) 1-10
April 24	8.6 Proving Theorems (continued)	8.6(A) 1-20; 8.6(B) Challenging Theorems
April 26	Review	
May 4 Friday 1:30 PM	**TEST 5**	