Philosophy 730: 101:B6 Logic, Reasoning, and Persuasion
Summer Session 1: May 29-July 5
Rutgers University

Time and Place: Tuesday 6:00-10:20 PM Murray Hall 115;
Thursday 6:00-10:20 PM Online
Instructor: Michael Hicks
Primary contact (email) hicksmt@gmail.com
Emergency contact (phone) (804) 301-2451
Office hours: Tuesday 12:30-4:30, 1 Seminary Place Room 016, other times and places by appointment.
Text: Introduction to Logic and Critical Thinking, Sixth Edition

DESCRIPTION: The purpose of this course is to increase your ability to think critically. Consequently we will examine different forms of deductive and inductive arguments, identify common logical fallacies, and discover the unstated assumptions behind people's reasoning. As a tool for understanding the reasoning behind arguments, students will be introduced to basic systems of formal logic and probability.

CORE GOALS: This course meets goal 'o': 'Examine critically philosophical and other theoretical issues concerning the nature of reality, human experience, knowledge, value, and/or cultural production.' Assessment will be by an SAS generic rubric embedded in the evaluation criteria laid out in this syllabus.

Students are expected to attend all classes; if you expect to miss one or two classes, please use the University absence reporting website https://sims.rutgers.edu/ssra/ to indicate the date and reason for your absence. An email is automatically sent to me.

Please note: Exams cannot be turned in late; if something prevents you from taking the exam at the prescribed time, email me in advance and I will construct a makeup exam for you.

EVALUATION: Evaluation will consist of three domains: Tests, classwork/quizzes, and homework.

Tests (50%): Half of your grade will come from your test average. The test grade will be constituted of your midterm (20%) which will be given on Sakai on June 21, and your final (30%) which will be administered online during the regular meeting time on July 5. The final will be cumulative, but it will focus on material from the second half of the class.

Classwork/Quizzes (20%): There will be regular in-class assignments used to illustrate ideas gone over during class; on Thursdays, there will be short 'comprehension quizzes' in between sections of slides which you will be required to complete and turn in online during the class period. This classwork may contain material that references the reading even when that portion of the reading has not be reviewed in class. Classwork will not be accepted late and there will be no makeups; however, the lowest two classwork grades will be dropped. Classwork for Thursday will be accepted until 11:59 PM Friday with no penalty.

Homework (30%): There will be 5 homework assignments from the book due every Tuesday. Each will be worth 20% of your total homework grade. Although the points awarded for each question assigned will vary with the number of questions, you will receive at least 50% credit just for completing a

question; further points will be rewarded for correct answers. Homework may be handwritten but must be stapled.

Revisionary note: if the grading policies change, they will change in your favor.

TENTATIVE SCHEDULE:
(Revisionary note: class readings are subject to change as the semester progresses).

May 29: *Chapter 1*: Introduction/class overview; argument form and structure

June 31 (ONLINE): *Chapter 2*: ambiguity, use/mention, and common fallacies.

June 5 (HOMEWORK 1 DUE): *Chapter 3, Chapter 8 Sections I-V*: Deduction *vs*. Induction, more fallacies, and conditionals.

June 7 (ONLINE): *Chapter 8 Sections VI-XI*: Deduction continued, symbolic logic

June 12 (HOMEWORK 2 DUE): *Chapter 9*: Categorical syllogisms

June 14 (ONLINE): *Chapter 10*: Quantifiers, relations, and predicate logic.

June 18: 'Unofficial' exam review.

June 19 (HOMEWORK 3 DUE): In class exam; induction introduction; *no reading*

June 21 (ONLINE): *Chapter 4*: More on induction

June 26 (HOMEWORK 4 DUE): *Chapter 6*: Probability and induction.

June 28: (ONLINE): *Chapter 7*: Bayesianism; Scientific Reasoning.

July 3 (HOMEWORK 5 DUE): *Chapter 5*, additional readings on Sakai: Causal reasoning

July 5: ONLINE final exam.