

Math 2283 - Honors Logic
 Spring 2020 - Schedule
 updated April 27, 2020 at 13:25

Class	Day	Chapter	Title	Description
1	2020.01.13	1	On The Use of Variables	Introduction to the semester. Chapter 1 covers the basic logical building blocks – sentences, sentential functions, designatory functions, variables - free and bound, quantifiers - existential and universal.
2	2020.01.15			
3	2020.01.17			
4	2020.01.22	2	On The Sentential Calculus	Start on Chapter 2, begin with logical connectives: and, or, if, and iff. We also get our first look at logical laws!
5	2020.01.24			
6	2020.01.27			
7	2020.01.29			
8	2020.01.31			
9	2020.02.03	3	On the Theory of Identity	Chapter 3 covers the idea of “identity”. We also get our first glimpse into how to construct logically valid arguments.
10	2020.02.05			
11	2020.02.07			
12	2020.02.10			
13	2020.02.12	4	On the Theory of Classes	In Chapter 4, we learn about classification of objects, and how we can use classifications to prove other properties of objects being classified.
14	2020.02.14			
15	2020.02.17			
16	2020.02.19			
17	2020.02.21			
18	2020.02.24			
19	2020.02.26			
20	2020.02.28	5	On the Theory of Relations	Similar to Chapter 5, instead of classifying objects, we develop the theory behind relating objects to each other. More logically valid arguments to follow.
21	2020.03.02			
22	2020.03.04			
23	2020.03.06			
24	2020.03.09			
25	2020.03.11			
26	2020.03.13			

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Class	Day	Chapter	Title	Description
27	2020.03.30	6	On the Deductive Method	Chapter 6 is the start of Part II of the text. We learn about axioms, primitive terms, specifying rules of inference, and in general, what constitutes a deductive theory.
28	2020.04.01			
29	2020.04.03			
30	2020.04.06			
30	2020.04.08			
31	2020.04.13			
32	2020.04.15			
33	2020.04.17	8	Construction of a Mathematical Theory: Laws of Order for Numbers	This chapter will get us started on a mini- deductive theory which involves simple arithmetic. We start building theorems based on primitive terms, axioms, and rules of inference.
34	2020.04.20			
35	2020.04.22			
36	2020.04.24			
37	2020.04.27	9	Construction of a Mathematical Theory: Laws of Addition and Subtraction	This chapter builds on Chapter 8, but we are now introduced to addition, and combining this operation with the relations of $<$ and $>$. We also discuss some general properties of operations and their interplaying with relations.
38	2020.04.29			
39	2020.05.01			
40	2020.05.04			