

Intermediate Logic

Class Syllabus

Date	Due at the Beginning of Class HW # - Material Covered		Class Lecture (Informal Fallacy)
1/29			Intro to Prop. Logic; Logical Operators; Negation; Conjunction; Disjunction <i>Fallacies of Ambiguity/Equivocation</i>
2/5	16	Bk 2: p 31-37; #6-7	Truth Tables to Determine Truth Values; The Conditional <i>Accent</i>
2/12	17	Bk 2: p 38-46; #8-9	The Biconditional; Truth Tables for Determining Validity; <i>Amphiboly</i>
2/19	18	Bk 2: p 47-56; #10-12	Shorter Tables for Validity; Using Assumed Truth Values <i>Composition</i>
2/26	19	Bk 2: p 57-65; #13-14; Test 2 (29-56)	Shorter Truth Tables for Consistency and Equivalence <i>Division</i>
3/5	20	Bk 2: p 66-71; #15-16	The Dilemma <i>Contextomy</i>
3/12	21	Bk 2: p 72-76; #17; Bk 1: p 109-111; #26	Intro: Formal Proofs; Rules of Inference & Recognizing Rules of Inference <i>Accident</i>
3/19	22	Bk 2: p 79-90; #18-20; Test 3 (p 57-76)	Developing Formal Proofs <i>Ad pendulum /Review fallacies of Ambiguity</i>
3/26			Spring Break
4/2	23	Bk 2: p 91-95; #21-22	The Rules of Replacement. <i>Fallacies of Form/Petitio Principii</i>
4/9	24	Bk 2: p 96-101; #23; Test 4 (p 77-95)	Practice with Proofs <i>Post hoc ergo propter hoc</i>
4/16	25	Bk 2: p 102-108; #24-25	The Conditional Proof; Reductio & Ad absurdum <i>Either/Or</i>
4/23	26	Bk 2: p 109-116; #26-27	Proving Rules Unnecessary; Truth-Functional Completeness <i>Complex Question</i>
4/30	27	Bk 2: p 117-124; #28-29	Truth Trees: Testing Consistency, Decomposition Rules <i>Apriorism</i>
5/7	28	Bk 2: p 127-139; #30-31; Test 5 (p 96-124)	Truth Trees: Construction, Self-contradiction, Tautology <i>Weak analogy</i>
5/14	29	Bk 2: p 140-149; #32-33; 1:p 112-115; #27	Truth Trees: Equivalence & Validity <i>Review Fallacies of Form</i>
5/21	30	Bk 2: p 150-158; #34-35	Review for final <i>Review all fallacies</i>
5/28	31	Bk 1: p166-188; #28; Test 6 (p 125-158)	Final Exam

* “Bk 1 & 2” refer to the textbooks. “Bk 1” is the *Introductory Logic* book, and “Bk 2” is the *Intermediate Logic* book.

** Please note: Although the exercise numbers from the text are listed in the homework description, assignments will not always match the text exactly and there may be additional practice assigned that is not from the text, so it is imperative to use the assignment sheets provided on the website rather than this list.

*** This syllabus is subject to change should the need arise due to more practice being necessary or the class schedule being interrupted by unforeseen events.