

I.3.1 Rules of Inference Ist Reading Instructions

Instructions: Read over the text from Wikipedia on rules of inference. Rules of inference are used to show that one statement is a consequence of another statement and, thus, are used for constructing proofs. The summary table is located before the truth table and the examples. The Rules of Inference are referred to by names in the 3rd column in the table. In this course, alternate names are also used. Those that have corresponding alternate names are listed in the following table:

Wikipedia Name	Alternate Name
Disjunction	Generalization
Conjunction	Specialization
Elimination	Generalization
Modus Ponens	
Modus Tollens	
Hypothetical Syllogism	Transitivity
Disjunctive Syllogism	Disjunctive Elimination
Resolution	Elimination

Reading this selection and taking notes should take approximately 45 minutes.