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Logic underlies all scholarly pursuits and shapes our thoughts and ideas. It is the very expression of human rationality.

During this introductory course in formal logic we will learn about the rules of proper inference by analyzing logical relationships between propositions and groups of propositions. Using sentential and predicate logic, we will explore such logical properties as validity, soundness, consistency, etc. We will master several different methods of testing for these logical properties, such as truth trees.

$p$	$q$	$p \vee q$	$p \wedge q$	$p \rightarrow q$	$p \leftrightarrow q$
T	T	T	T	T	T
T	F	T	F	F	F
F	T	T	F	T	F
F	F	F	F	T	T

