

Logic and Critical Thinking
KRSN PHL1030 – Logic and Critical Thinking

Institution	Course ID	Course Title	Credit Hours
Allen County CC	Not Offered	Not Offered	
Barton County CC	PHIL1605	Reason and Argument	3
Butler CC	PL101	Introduction to Logic	3
Cloud County CC	PH101	Introduction to Critical Thinking	3
Coffeyville CC	HUMN218	Logic and Critical Thinking	3
Colby CC	Not Offered	Not Offered	
Cowley County CC	Not Offered	Not Offered	
Dodge City CC	Not Offered	Not Offered	
Fort Scott CC	Not Offered	Not Offered	
Garden City CC	PHIL103	Logic and Introduction to ClearThinking	3
Highland CC	Not Offered	Not Offered	
Hutchinson CC	Not Offered	Not Offered	
Independence CC	SOC2073	Logical and Classical Reasoning	3
Johnson County CC	PHIL124	Logic and Critical Thinking	3
Kansas City KCC	PHIL0105	Logic	3
Labette CC	PHIL104	Introduction to Logic	3
Neosho County CC	HUM102	Logic and Critical Thinking	3
Pratt CC	Not Offered	Not Offered	
Seward County CC	Not Offered	Not Offered	
Flint Hills TC	Not Offered	Not Offered	
Manhattan Area TC	Not Offered	Not Offered	
North Central KTC	Not Offered	Not Offered	
Northwest KTC	Not Offered	Not Offered	
Salina Area TC	Not Offered	Not Offered	
Wichita Area TC	PHL115	Logic	3
Emporia St. U.	PI302	Logic and Critical Thinking	3
Fort Hays St. U.	PHIL100	General Logic	3
Kansas St. U.	PHILO105	Introduction to Critical Thinking	3
Pittsburg St. U.	PHIL208	Logic and Critical Thinking	3
U. Of Kansas	PHIL148	Reason and Argument	3
Wichita St. U.	PHIL125	Introductory Logic	3
Washburn U.	PH104	Freshman Logic	3

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Logic and Critical Thinking PHL1030 OUTCOMES

Upon completion of this course, students will be able to:

Core Competencies for Logic and Critical Thinking

By its nature, Philosophy encourages diverse approaches to teaching, and so it is to be expected that different programs and different instructors will approach a Critical Thinking course in a variety of different ways. Consequently, a broad consensus on details of content is not to be expected. However, students will become familiar with the basic concepts and methods of philosophical reasoning and their application in correct reasoning. Students will:

Recognize the difference between arguments and non-arguments.

- A. Students will distinguish between an argument and an explanation, report, or illustration.
- B. Students will identify the premises and the conclusion of arguments.
- C. Students will recognize components of language and language use relevant to reasoning such as meaning, definition, emotive force, denotation and connotation.

Identify and explain the components of informal reasoning

- A. The student will be able to recognize and define informal fallacies
- B. The student will be able to demonstrate an understanding of, and the ability to evaluate, inductive arguments such as analogical arguments, generalizations, arguments from authority, causal inferences etc.
- C. Students will evaluate the cogency of arguments in specialized areas such as legal, moral, or scientific reasoning.

Identify and apply the basic concepts of logical discourse.

- A. Students will distinguish formal from informal arguments.
- B. Students will distinguish deductive validity and soundness and be able to evaluate arguments for each.
- C. The student will be able to recognize basic argument forms such as modus ponens, modus tollens, disjunctive syllogism, chain, etc.

Recognize the basic concepts of propositional logic.

- A. The student will be able to symbolize natural language arguments in propositional logic.
- B. The student will be able to use truth tables to evaluate the validity/invalidity of arguments in propositional logic.
- C. Students will demonstrate familiarity with and the ability to use logical operators.