

MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE

COURSE OUTLINE

DEPT. PHIL

COURSE NUMBER: 1200

NUMBER OF CREDITS: 3

Lecture: 3 Lab: 0 OJT: 0

Course Title:

Logic

Catalog Description:

Logic introduces students to formal and informal logic. Students will learn to identify and outline arguments in classic and contemporary texts, to determine whether an argument is deductive or inductive, and to determine an argument's validity and soundness. Students will learn to diagram categorical syllogisms and to translate propositional statements. Students will also learn to identify and classify logical fallacies.

Prerequisites or Necessary Entry Skills/Knowledge:

ENGL 1101

FULFILLS MN TRANSFER CURRICULUM AREA(S) (*Leave blank if not applicable*)

Goal 4: Mathematics/Logical Reasoning: By meeting the following competencies:

Topics to be Covered

Premises and Conclusions

Arguments

Enthymemes

Argument Diagrams

Deductive and Inductive Arguments

Validity and Soundness

Venn Diagrams

Syllogisms

Categorical and Propositional Statements

Fallacies

Student Learning Outcomes

Identify, outline, classify, diagram and evaluate arguments in a sample of writing.

Distinguish between deductive and inductive arguments.

Distinguish between sound and unsound arguments.

Detect fallacies and identify the type of fallacy.

Use Venn diagrams to determine whether an argument is valid.

Outline a statement symbolically to determine its truth value.

Is this course part of a transfer pathway: Yes No

***If yes, please list the competencies below**

Revised Date: 4/6/2022