

# Bemidji State University

## PHIL 2230: Logic

### A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: \*.\*

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: Goal 04 - Mathematical/Logical Reasoning

Methods of distinguishing between correct and incorrect reasoning. Special emphasis on deductive reasoning and informal fallacies. Liberal Education Goal Area 4.

**B. COURSE EFFECTIVE DATES:** 08/22/1997 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Basic Concepts
2. Language: Meaning and Definition
3. Informal Fallacies
4. Categorical Propositions
5. Categorical Syllogisms
6. Propositional Logic

### D. LEARNING OUTCOMES (General)

1. understand how logic is relevant to our everyday problem solving activity.
2. understand our choices of what beliefs to accept or reject in any particular life situation.

### E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

Goal 04 - Mathematical/Logical Reasoning

1. Illustrate historical and contemporary applications of mathematical/logical systems.
2. Clearly express mathematical/logical ideas in writing.
3. Explain what constitutes a valid mathematical/logical argument(proof).
4. Apply higher-order problem-solving and/or modeling strategies.

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

### G. SPECIAL INFORMATION

None noted