A. COURSE DESCRIPTION

Credits: 3
Lecture Hours/Week: 0
Lab Hours/Week: 0
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. [Core Curriculum 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. gain familiarity with elementary methods of argument composition and analysis.
2. construct coherent and valid arguments.
3. analyze and detect weaknesses in arguments presented to them about important issues.

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).

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted