

# Minnesota State University Moorhead

## CSIS 358: Introduction to Parallel Computing

### A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 3

Lab Hours/Week: 0

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

History of large scale computing and architectural classification of various parallel processing machines. Measurement of performance and methods of optimization. Dependencies and their influences upon vectorization and parallelism. Introduction to distributed systems, interconnection topologies and communication issues. A platform for parallel programming will be introduced.

**B. COURSE EFFECTIVE DATES:** 04/15/2001 - 05/01/2017

### C. OUTLINE OF MAJOR CONTENT AREAS

None

### D. LEARNING OUTCOMES (General)

None

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

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

### G. SPECIAL INFORMATION

None noted