A. Course Description

Credits: 3

Prerequisites: ICS 141 Programming with Objects or equivalent programming experience

Lab Hours/ Weeks: Corequisites: None

Lecture Hours/ Week :

MnTC Goals: None

This course is designed to provide a fast-paced exposure to beginning and intermediate level C++ programming, including classes, inheritance, multiple inheritance, encapsulation, polymorphism, operator overloading and virtual functions.

B. Course Effective Dates: 08/01/1998 - 09/05/1999 09/06/1999 - Present

C. Outline of Major Content Areas:

See Course Description for major content areas.

D. Learning Outcomes (General)

1. Employ standard C++ coding conventions, proper programming style, and appropriate documentation conventions.
2. Model problems using classes and objects.
3. Apply operator overloading to improve program structure.
4. Implement some of the simpler design patterns.
5. Manipulate external data streams.
6. Use inheritance and polymorphism to effectively solve problems.

E. Learning Outcomes (MN Transfer Curriculum)

This contains no goal areas.

G. Special Information

Note: Students are responsible to both be aware of and abide by prerequisites for ICS courses for which they enroll, and will be administratively dropped from a course if they have not met prerequisites.