A. Course Description

Credits: 4

Prerequisites: CFS 262 Computer and Operating Systems Fundamentals I AND CFS 264 Computer and Operating Systems Fundamentals II

Lab Hours/ Weeks: Corequisites: None

Lecture Hours/ Week :

MnTC Goals: None

In this course, students learn the fundamental principles and concepts in computer forensics. The topics include the classification of the digital evidence, the procedure of discovering and preserving evidence, types of computer and Internet crimes, and analysis of computer crime statistics and demographics. Students also learn how to search and retrieve information to find the evidence using some common tools. Related legal procedures, regulations, and laws are also discussed briefly.

B. Course Effective Dates: 01/09/2006 - Present

C. Outline of Major Content Areas:

See Course Description for major content areas.

D. Learning Outcomes (General)

1. Articulate the differences between digital forensics and other kinds of forensic evidence.
2. Perform the basic steps and procedures in incident response.
3. Articulate the legal procedures and standards in collecting, preserving, analyzing, and presenting digital evidence.
4. Classify, examine and analyze digital evidence using operating system procedures or some open-source tools.
5. Analyze computer crime statistics and demographics.
6. Identify the types of computer and Internet crimes.

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 CFS and ICS courses for which they enroll, and will be administratively dropped from a course if they have not met prerequisites.