

## Course Outcomes Guide

**Course Title: IST 166 Computer Forensics I**

**Course Instructor(s): Steve Shank, David Yohman**

**Programs: IST Networking Track I, IST Networking Track II, Biotechnology Program, Forensics**

### **Expected Learning Outcomes**

1. The student will be able to explain the legal foundation for understanding traditional and electronic evidence and evidence handling procedures.
2. The student will be able to describe the technical details of a forensic examination of computers and electronic media.
3. The student will be able to construct a report of forensic analysis and findings

**Assessment** (How do students demonstrate achievement of these outcomes?)

Satisfactory scores on exams and projects.

Satisfactory score on practical exam modeled upon CyberWATCH curriculum and textbook exercises.

Labs

**Validation** (What methods are used to validate your assessment?)

1. Approval of Administration of Justice Advisory Council
2. Faculty Review
3. CyberWATCH consortium curriculum

**Results** (What do the data show?)

Since the 2011 fall semester a total of 57 students have taken IST166 Forensics I.

53 (93%) of the students completed the course and 51 (90%) were successful.

The grade distribution is as follows:

A	36	63%
B	8	14%
C	7	12%
D	2	4%
F	1	4%

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There was 0 audit and 0 withdrew from the course.

### **Follow-up** (How have you used the data to improve student learning?)

90% of students completing course requirements successfully complete coursework

Labs have been added to improve student understanding and interest

Students participated in a Forensics competition.

Incorporated virtual Netlab labs into curriculum. These labs were developed by the Center for Systems Security and Information Assurance (CSSIA). The creations of these labs was funded by the National Science Foundation's (NSF) Advanced Technological Education (ATE) program Department of Undergraduate Education (DUE) Award No. 0702872 and 1002746; Center for Systems Security and Information Assurance (CSSIA) is an entity of Moraine Valley Community College.

(To do)

Seek out forensics competitions that will allow students to apply their skills.

Develop and present forensics talks to ITA club to increase forensics awareness.

Research and develop curriculum to seek Forensics Certification.

### **Budget Justification**

(What resources are necessary to improve student learning?)

PC lab, projection unit, cabling, tools, printers, PCs

Course Management software

Classroom Management system software