

## Course Outcomes Guide

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

**Course Instructor(s): Tatyana Zidarov**

**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%

There was 0 audit and 0 withdrew from the course.

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

90% of students completing course requirements successfully complete coursework

Jones and Bartlett Labs have been successfully incorporated in the class and have contributed to increasing student engagement and improving their understanding of sound forensic methodology.

In and out of class hands on assignments have been added to promote student engagement and assess their understanding of forensic procedure and evidence collection.

(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.

Set up a mock crime scene and have student collect digital evidence following sound forensic procedure

### **Budget Justification**

(What resources are necessary to improve student learning?)

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

UFRED forensic servers

EnCase forensic software

Course Management software

Classroom Management system software