

# Bemidji State University

## BUAD 4388: Computer Forensics

### A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: \*.\*

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

In this course students learn the fundamental principles and concepts in computer forensics. The topics include: the procedure of discovering and preserving evidence, types of computer and Internet crimes, and methods of searching and retrieving evidence using software tools. Related legal procedures, regulations, and laws are also discussed briefly. Prerequisites: BUAD 2381, BUAD 3383, and BUAD 3384.

**B. COURSE EFFECTIVE DATES:** 01/30/2007 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Collecting the Evidence
2. Computer Fundamentals
3. Defeating Anti-Forensic Techniques
4. Documenting the Investigation
5. E-Mail Analysis
6. Employee Misconduct
7. Forensic Analysis of Mobile Devices
8. Forensics Lab Environment Preparation
9. IP Theft
10. Microsoft Windows Systems Analysis
11. The Forensics Process
12. The Justice System
13. Tracking User Activity

### D. LEARNING OUTCOMES (General)

1. construct a practical hands-on computer forensics examination for a real world case example.
2. apply the technical components of searching and retrieving evidence utilizing software tools such as FTK and PRTK.
3. describe the decision-making issues required for effective legal procedures.
4. identify and apply the forensic process in which to collect untainted copies of computer file evidence.

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

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

**G. SPECIAL INFORMATION**

None noted