

Collegewide Core Course Performance Objectives

The student will be able to:

1. Define computer forensics and investigations. (CCC 5, 6; PGC 2)
2. Work with different computer operating systems, their boot processes and file systems. (CCC 5, 6; PGC 2)
3. Prepare and use current computer forensics tools. (CCC 5, 6; PGC 2)
4. Process crime and incident scenes. (CCC 5, 6; PGC 2)
5. Perform forensic analysis. (CCC 5, 6; PGC 2)
6. Write investigation reports and become an expert witness. (CCC 5, 6; PGC 2)

Measurable Performance Objectives

1. Define computer forensics and investigations.
 - 1.1 Compare definitions of computer forensics.
 - 1.2 Develop computer forensics resources.
 - 1.3 Prepare a computer investigation.
 - 1.4 Execute a computer investigation.
2. Work with different computer operating systems, their boot processes and file systems.
 - 2.1 Compare the different operating systems.
 - 2.2 Compare the different file systems.
 - 2.3 Explain boot processes for different operating systems.
3. Prepare and use current computer forensics tools.
 - 3.1 Prepare a basic forensics workstation.
 - 3.2 Evaluate computer forensics software command-line and GUI tools.
 - 3.3 Evaluate computer forensics hardware tools.
4. Process crime and incident scenes.
 - 4.1 Prepare for a search.
 - 4.2 Secure computer incident or crime scene.
 - 4.3 Collect digital evidence.
5. Perform forensic analysis.

- 5.1 Acquire data with acquisition toolkits.
- 5.2 Plan data recovery contingencies.
- 5.3 Address data hiding techniques.
- 5.4 Prepare E-mail investigations.
- 5.5 Recover image files.

6. Write investigation reports and become an expert witness.

- 6.1 Assemble clearly written reports pertaining to supporting materials.
- 6.2 Examine a formal report.
- 6.3 Prepare for deposition, court testimony and cross-examination.

Evaluation Criteria/Policies

1. Students will demonstrate proficiency on all measurable performance objectives at least to the 75% level to successfully complete the course.
2. The letter grade will be determined using the College Grading System:

Grade	Point Value		Explanation
A	92	100	Student meets the measurable objectives in an outstanding manner.
B	83	91	Student meets the measurable objectives in an above average manner.
C	75	82	Students meets the measurable objectives.
R	0	74	Student does not meet the measurable objectives.

3. In order to achieve the maximum benefit from this course of instruction, the student is responsible for attending scheduled classes, frequently accessing Blackboard, completing all readings and instructor handouts, and completing all computer assignments.
4. Each student is required to complete all assignments and examinations. Students who miss classes are expected to get missed assignments from the instructor and missed lecture notes from another student. Any student having difficulty will be expected to seek individual instructional aid from the instructor by appointment.

5. The instructor will announce the schedule for two written tests: midterm and final. Each test may also include a hands-on computer problem. Your final grade in this course will be based on the following:

Two tests (midterm and final)	50%
Laboratory exercises/assignments/projects	50%

Students should refer to the Student Handbook for information on Academic Standing Policy, Academic Honesty Policy, Student Rights and Responsibilities and other policies relevant to their academic progress.