



Department of Electrical Engineering & Computer Science
CNT 6418 0R01/0V61 – Computer Forensics II
Spring 2022

Lecturer: Rick Leinecker
Email: Richard.Leinecker@ucf.edu

Class Hours: Monday/Wednesday 7:30 PM – 8:45 PM in BA1 216A or Panopto

Office Hours: Monday/Wednesday 3:00 PM – 4:15 PM in HEC 357

Grading Questions: Seema Reddy Kalluru -- seemareddy18@Knights.ucf.edu

Prerequisites: Permission

Credit Hours: 3

CNT 6418 Learning Objectives and Outcomes

Legal issues regarding seizure and chain of custody. Technical issues in acquiring and analyzing computer evidence. Popular Linux file systems are examined. Reporting issues in the legal system.

Learning Objectives

- Learn what digital forensics are
- Learn about device images
- Learn about data hiding
- Learn digital forensics reporting
- Understand modern techniques of digital forensics investigations

Learning Outcomes

- Image devices
- Navigate Linux operating systems
- Find hidden data
- Crack passwords
- Use current network forensics techniques
- Data carve to retrieve valuable data
- Use current investigative techniques to identify threats

Proposed Schedule:

Topic
What is Digital Forensics
Introduction to Linux
Device Imaging
Autopsy
Data Hiding

Data Carving
Ext
Reports
Open Source Forensic Tools
C Language
Hashing and Passwords
Network Forensics
Memory Forensics
Email Forensics

Grading will be as follows: Assignments – 42% total
 Discussions – 16% total
 Quizzes – 42% total

Attendance: Attendance is not required but is highly recommended.

Grading Scale:	94-100	A
	90-93.99	A-
	87-89.99	B+
	84-86.99	B
	80-83.99	B-
	77-79.99	C+
	74-76.99	C
	70-73.99	C-
	67-69.99	D+
	64-66.99	D
	60-63.99	D-
	0-59.99	F

Academic Dishonesty: UCF's Golden Rule <http://goldenrule.sdes.ucf.edu/> will be strictly applied.

Important Dates:

Classes Begin: January 10
 Martin Luther King Holiday: January 17
 Spring Break: March 6 – 13, 2022
 Last Day Of Class: April 26

Makeups:

Projects and discussions are not accepted late since you have them in advance
 Tests can only be made up under hardships with the permission of the instructor