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:

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<tr>
<th>Topic</th>
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<tbody>
<tr>
<td>What is Digital Forensics</td>
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<tr>
<td>Introduction to Linux</td>
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<td>Device Imaging</td>
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<td>Autopsy</td>
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<td>Data Hiding</td>
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<td>Data Carving</td>
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<td>Reports</td>
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<td>Open Source Forensic Tools</td>
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<td>C Language</td>
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<td>Hashing and Passwords</td>
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<td>Network Forensics</td>
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<td>Memory Forensics</td>
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<td>Email Forensics</td>
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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


**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