

Digital Forensics

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Lecture #4

**Data Acquisition, Processing Crime Scenes and
Digital Forensics Analysis**

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Chapters 1-3 of Textbook

- **Chapter 1: Understanding digital forensics**
 - What is digital forensics, conducting investigation, case law (fourth amendment)
- **Chapter 2: Understanding investigations**
 - Steps for an investigation: systematic approach
 - Evidence collections and analysis
 - Report writing
- **Chapter 3: Forensics Laboratory**
 - Physical requirements, Workstation requirements, Making a case to build a lab

Data Acquisition: Chapter 4

- Types of acquisition
- Digital evidence storage formats
- Acquisition methods
- Contingency planning
- Using acquisition tools
- Validating data acquisition
- RAID acquisition methods
- Remote network acquisition tools
- Some forensics tools