

DIGITAL TECHNOLOGY AND PROVING CRIMINAL CASES

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A person's phone is the one single device that holds the most private and personal information about them. Everything from private pictures, texts, Google search terms and geo locational data that can provide turn by turn navigation of an individual's travels. There is not one other device that people depend upon more than their personal phone. Obtaining data from the suspect, victim and witness can help solve and prosecute your cases.

This class covers how to use these devices in your investigations. Everything from how to identify the network, obtain the records and online data, make a copy of the phone, analyze the contents, and how to use the data (Records / apps / settings) to identify ownership of the device, account and social media pages.

This class will follow the steps of a real investigation

SYLLABUS:

Day 1:

- I. Seizing the device
 - A. Identifying the device and account details
 - IMSI / IMEI / ICCID / MEID / MDN / MSISDN
 - B. Identifying the network
 - MVO (AT&T, Verizon, T-Mobile, Sprint)
 - MVNO (Tracfone, Straight Talk, Simple Mobile, MetroPCS, Cricket)
 - Burner app numbers (TextMe, TextNow, TextPlus)
 - C. Obtaining online data
 - Cellular records
 - Cloud backups
 - Facebook and Google information
 - D. Imaging the phone
 - In the field
 - In the Lab
 - Obtaining a cloud backup

Day 2:

- II. Reviewing the content of the device
 - Account information
 - Social Media pages
 - Call history patterns
- A. Using the device to prove ownership
 - Account details and social media pages
- B. Using the account information to prove who uses the device
 - Calling patterns
 - Social media pages on the device
 - Account details

Day 3:

- III. Review the online data
 - A. Cellular records
 - AT&T, Verizon, T-Mobile, Sprint
 - Identifying missed calls, forwarded calls, etc
 - Looking for patterns in the records
 - B. Social Media information
 - Cloud contents

Day 4:

- IV. Comparing the records to the data from the phone
 - Looking for any differences
 - What the records tell us
 - What the phone tells us
- V. Cellular mapping of towers
 - Azimuth and Beamwidth
 - Estimating ranges

Day 5:

VI. Final class practical

Analyze a phone

Analyze applications

Review the records

Map the locations

Create a final Evidence report

Prepare for Trial