

Internet Intelligence Training-social media EXPLOITATION

fundamentals - 4 hours

MODULE 1: INTRODUCTION TO ONLINE INVESTIGATIONS & OPEN SOURCE PRIMER

Class begins with introductions of the trainer, materials and expectations of the class. A case scenario is introduced as well, to be used throughout the two days of instruction. During the two days, we will examine the difference types of open sources and social media sites, as well as the language of this unique investigative world. These concepts and primer material will be introduced to the class, and initial questions and concerns will be vetted.

- Class will begin with open source research to better prepare field investigations and be more efficient in their time and resources.
- By better understanding how to use a computer, the items available on the Internet and social media, investigators can more effectively provide reasonable results.
- Case study to be used for the two days of exercises will be introduced.

MODULE 2: HACKING GOOGLE

Time to learn professional Google skills and update your search source tool belt. Participants will learn how to effectively use Google beyond its out-of-the-box presentation. You will be given the resources and training to create proper search strategies, and run advanced Internet searches. Participants will also learn the expert tools of this common search application to make difficult searches more effective.

- Google set-up, expectations and use
- Algorithms for surface finds and open source results
- New search tools within Google
- Alternative search engines

MODULE 3: SOCIAL & OTHER SEARCH ENGINE RESOURCES

Participants will learn new search engine resources and how to properly conduct advanced Internet and social media searches, as they will also learn of search tools that go beyond the generalized Google resource, and are specific to investigative needs. Alert services, both free and fee based will also be introduced.

- Social media specific search tools
- Other monitoring and alerting tools
- Free and fee sources
- Alternative search engines



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hacks - 4 hours

MODULE 4: DRUGS AND HUMAN TRAFFICKING WEBSITES ONLINE

Backpage and auction web sites are a network for human trafficking, drug trade and terrorists. Participants will learn how to track materials stolen or otherwise sold on auction and illegal sale sites. Popular auction Web sites to discover intelligence such as Amazon, Craigslist, eBay, as well as Oodle, and gun/auto traders, plus some dark web onion sites.

- Popular auction Web sites to discover intelligence
- Not-so popular auction Web sites and dark places

MODULE 5: IMAGES ONLINE AND BASIC TRACING IP INTRODUCTION

Learn five things to look for in online images from the obvious visual material to location metadata, hash values and other technical aspects. Photo recognition search engines will be demonstrated for their efficiency in finding unwritten data quickly. We will also cover basic IP tracing, Whois services and other handy online tools for locating users and their posts online.

- Learn image search tools
- Image logistics for investigators (meta data, hash values, etc.)
- Tracing IP Addresses

social media and dark web - 4 hours

MODULE 6: ADVANCED SOCIAL MEDIA INVESTIGATIONS

Social Media investigations will explore the latest search tools popular for locating and uncovering users and their content online. The class will cover the basics of searching in social media and the search engines predisposed to this venue. Next, we will review the material located on the pages, and how they play into your case, leads they could create. Finally, a look at the future social media players and changes to anticipate for investigators.

- Searching for hashtags and special social media search engines
- Account types and analytical methods
- New Social Media sites to be introduced, such as livestreaming
- CARA Analysis: Characteristics, Associations, Reputation, and Affiliations



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MODULE 7: DARK WEB DEFINED FOR INVESTIGATORS

Understand what makes up the 'dark web' and how criminals take advantage of its anonymous nature to profit in counterfeit products, stolen goods, child pornography, human trafficking and other nefarious deeds.

Dark Web has the star quality and luster of a Hollywood movie, but, it is a den of inequity operated by the technically sophisticated. The more "google'ized" we have become as investigators and researchers, the less we understand what is going on behind the scenes and how to operate in this world. This class will introduce the dark web and channels that are used to institute private sales and exchanges.

- Working undercover and proper methods to exploring the dark web
- Exploring the dark what and what not to do
- How to search on the dark web
- Directory structures

discretion online - 4 hours

MODULE 8: REMOVING YOUR PERSONAL IDENTIFYING INFORMATION

A thorough how-to explanation demonstrating how your private lives and public information are available through Web sites and social networks, as well as "Invisible Web" sources.

The class explores the tools and methodology that is used to operate discreetly on the Internet. A clear and easy to follow example of how fraudulent and nefarious actors get your key information and use it against you. This is followed with our Opt Out procedure for protecting your privacy, important to know for public service and security personnel for the safety of themselves, their employers, and their families.

- Demonstration of the challenges to law enforcement, and how they are reaching home.
- Security at home
- Security on social media

MODULE 9: USING ANONYMITY, WORKING UNDERCOVER FOR INVESTIGATORS

Setting up and carefully searching in the social media space, without compromising your online identity. Gathering information about subjects in an investigation has never been easier, thanks to the proliferation of social networks and open source information. But in many cases, investigators need to keep their identities hidden while searching, and this isn't always as easy. Many social networks and online information sources either allow the subjects of searches to see who has been searching them, or provide some obvious clues as to who is looking at their information. So, when anonymity is important, investigators need to take steps to keep their identities hidden. Join us as we demonstrate ways to avoid exposure when researching investigation subjects online.

- Define being anonymous on the Internet and the inherent threats
- Bad guys, your office, shopping, family and neighbors
- Tools for working undercover online



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MODULE 10: CONCLUSION

The class will cover any left-out topics, products, services or questions will be reviewed. A summary of our case study and sample evidence will be reviewed.

- Case studies to be reviewed
- Questions and answers discussion
- Sum up of two days of training

EXPERTISE

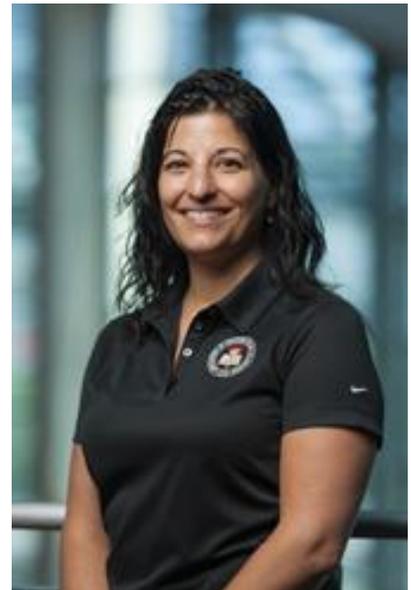
CYNTHIA HETHERINGTON, MLS, MSM, CFE, CII

Cynthia has more than 25 years of experience in research, investigations and corporate intelligence. One of the most respected online investigators, Cynthia combines her Master of Library Science, Master of Science in Management, experience as a Certified Fraud Examiner, and decades of computer expertise, to establish her company in the online and Internet investigative industry.

Cynthia has been recognized for her work in overseeing national and international investigations for Fortune 500 companies and other organizations in the Middle East, South America, Europe and Asia. Hetherington has provided numerous corporate security officials, military intelligence units, and federal, state and local agencies with training and resources on open source intelligence practices.

Having trained over twenty thousand security professionals in Online OSINT and OPSEC practices, she was named the Speaker of the Year by the Association of Certified Fraud Examiners in 2012.

Cynthia founded the OSMOSIS Institute in 2015, the host organization of the annual OSMOSIS Conference, which provides [Open Source Intelligence \(OSINT\)](#) insights and due diligence investigation training, from some of the most recognized social media and open source trainers in North America.



MATERIALS PROVIDED PER ATTENDEE

- Class materials; slide deck printouts; guidebook
- The recent issue of Data2know.com: Internet & Online Intelligence Newsletter