

## **COURSE DESCRIPTION AND POST OUTLINE**

### **INTERNET PROFILING AND INTELLIGENCE GATHERING**

This class will outline cellular platform security issues in addition to online security risks to your company. Additionally it will provide step-by-step in-depth researching techniques utilizing online and open-source databases located on the web. It will cover techniques in locating 'hidden' information on a subject's web presence from public records, criminal records and social-networking profiles as well as show open sources available for geo locating tweets and instagram photos right after they have been posted. The use of this type of information can help identify security threats and risks that can negatively impact security efforts locally and regionally. The class will further demonstrate how to utilize the internet as an effective investigative research tool (by manipulating search criteria) in locating and creating an entire profile on an individual, gang intelligence, security/counter intelligence or corporate intelligence. Additionally, this class will highlight areas of concern related to the use of various social media platforms that can be utilized for cyber-security attacks.

The course is intended to provide industry security professionals and local law enforcement with effective tools and techniques to protect security sensitive information and utilize available information in the public domain to investigate and prevent cyber-security incidents.

#### **Course Objectives**

##### **I Security Concerns**

- a. Demonstrate Security and Privacy concerns (both online and cellular)
- b. Provide examples of cellular application security compromises
- c. Provide examples of applications that can be used in an investigation
- d. Show online dangers of being identified and tracked

##### **II Public Records**

- a. Demonstrate the ability to find and incorporate important information from public record sources
  - i. Determine family and business association
  - ii. Identify personal identifiers useful in an investigation
- b. Provide examples on correct search techniques
- c. Provide examples on how to utilize information located to new search techniques online with open sources
- d. Provide awareness of access to public records

##### **III Search Engines and Correct Effective Searching Techniques**

- a. Demonstrate the correct techniques for the best search pattern results from search engines
  - i. Boolean searches
- b. Provide real time examples of search criteria manipulation
- c. The law enforcement and the investigative communities now face the problem (and the benefit) of publically available facial recognition software that can assist in identifying a subject and/or identifying a fake account used for investigative purposes. Online in real time instruction will focus on how to utilize these sources.
  - i. Learn to utilize Google's and Facebook's facial recognition software
  - ii. Provide real time example of identification of photo

  
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- d. Demonstrate how to identify and locate cached or removed information.
  - i. Show how security personnel and law enforcement can locate important information from cached sites that allow them to view domains and access information that has been removed back to 1991

#### **IV Internet Open Sources**

- a. Review and identify numerous surface and deep web online open sources
  - i. Demonstrate which open sources can pull different types of information
  - ii. Show the difference between surface web to deep web
- b. Demonstrate how to determine ownership and domain WHOIS information
- c. Provide International research techniques.

#### **V Using Social Networking Sites**

- a. With estimated billions of social networking profiles and mobile social applications, it will be demonstrated on how to correctly search for information to access these platforms
  - i. Cover the security issues as well as how to utilize LinkedIn
  - ii. Show the new capabilities of search Facebook with its new graph features
  - iii. Show the significance of hashtags and the ability to search and follow hashtag conversations over numerous platforms
  - iv. Demonstrate the capabilities to geo locate Instagram pictures via the actual posting of the pictures
    - 1. Determine usernames and additional associations
  - v. Demonstrate the capabilities to geo locate Twitter postings

  
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