

SPRING 2018

Computer Science Special Topics

CS 491-6 / CS 591-5

Monday & Wednesday

4:00-5:15 PM

ASA 112A

Instructor – Henry Hexmoor

Digital Forensics

Cybersecurity has become a ubiquitous concern well beyond finding solutions to post-mortem threat analysis. The course provides a broad overview of security objectives and will cover fundamentals in confidentiality, integrity, and availability. Lectures will offer a broad range of topics on digital forensics. Students will be trained for an investigation mindset. Contemporary tools and techniques for digital forensics and investigations are reviewed. Security for stationary and mobile platforms are foci of current course in both forensic and active modes. There will be multiple hands on home works and laboratories as well as a practical project as integral part of this course.

Textbook: (1) R. Campbell, e. al., 2014-2016, Introduction to Digital Forensics, UIUC. (free download)

(2) D. Haynes, 2014. A Practical Guide to Computer Forensics Investigations, Pearson, ISBN 9780789741158.

(3) C. Prorise and K. Mandia, 2003. Incidence response and Computer Forensics, 3rd Edition, McGraw Hill Pub. (free download)