Course Number	CS 413	Course Title	Digital Forensics				
Semester Hours	3	Course Coordinator	Henry Hexmoor				
Catalog Description	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 homework and laboratories as well as a practical project as integral part of this course.						
Textbooks							

Arnes, A. (2018). Digital Forensics, Wiley; ISBN: 9781119262381.

References

Course Learning Outcomes

- Obtain the state-of-the-art knowledge on digital forensic methods including legal concerns
- Obtain basic skills in digital storage capture and analysis of digital media

Assessment of the Contribution to Student Outcomes								
Outcome >	1	2	3	4	5	6		
Assessed →	X	X	X	X	X	X		

Prerequisites by Topic

CS 330 with a grade of C or better or graduate standing.

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Major Topics Covered in the Course						
_	gital Forensics Concepts and Legal issues e System and digital artifact exploration methods	(10 Lectures)				
2. On	line Investigations	(10 Lectures)				
3. Mo	bile Forensics	(10 Lectures)				
4. Mo	a. Intrusion Detection b. Mobile Phones c. Network Forensics d. Anti-forensics techniques	(10 Lectures) (3 Lectures) (2 Lectures) (3 Lectures) (2 Lectures)				

Latest Revision: Fall 2020