

**ITSY 2343
Computer System Forensics**

Western Texas College

- I. Basic Course Information
 - A. Course description: In-depth study of system forensics including methodologies used for analysis of computer security breaches. Gather and evaluate evidence to perform postmortem analysis of a security breach. Any required prerequisites: None.
- II. Student Learning Outcomes
 - A. Identify computer investigation issues; identify legal issues associated with computer investigations; collect and document evidence; evaluate network traffic, and evaluate recovered remnant or residual data. Measurement determined by what methods are used to evaluate the traffic and how in-depth the evaluation is. Define computer terminology. Grading will be measured by examination.
- III. Major Course Requirements
 - A. Requirement: There will be 2 chapter exams.
 - B. Requirement: There will be a final exam over three chapters.
- IV. Information on Books and Other Course Materials
 - A. Book: Computer Forensics, EC-Council Cengage: ISBN: 1-4354-8352-9
 - B. Software: Online students must purchase or have access to Microsoft Office 2007 or higher.
- V. Other Policies, Procedures and Important Dates are available in the [Catalog](#).
- VI. Course Organization and Schedule
 - A. Weekly Course Schedule

Week Number	Section/Online Work
Week 1	Getting Started Logon instructions and learning Moodle
Week 2	Chapter 1: Network Forensics & Investigating Logs
Week 3	Chapter 2: Investigating Network Traffic
Week 4	Chapter 3: Investigating Web Attacks
Week 5	Chapter 4: Router Forensics
Week 6	Exam/Lab Work
Week 7	Chapter 5: Investigating DoS Attacks
Week 8	Chapter 6: Investigating Internet Crime
Week 9	Chapter 7: Tracking E-Mails and Investigating E-Mail Crimes
Week 10	Chapter 8: Investigating Corporate Espionage

Week 11	Exam/Lab Work
Week 12	Chapter 9: Investigating Trademark & Copyright Infringement
Week 13	Chapter 10: Investigating Sexual Harassment Incidents
Week 14	Chapter 11: Investigating Child Pornography
Week 15	Dead week/Review
Week 16	Final Exam

Disclaimer: Schedule and content is subject to change at the instructor's discretion.

Class/Lab Assignments	60%
Open Book Exams	20%
Final Exam	20%

Last Modified: August 18, 2015