**CRIM 304: Computer Crime, Forensics, and Auditing**

Criminology, Law & Society Department

George Mason University

Instructor: Peter Caggiano, Adjunct Professor

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Office Hours: By Appointment

Class Time: Monday, 07:20 PM to 10:00 PM

Location: Innovation Hall 223

Course Description (GMU Course Catalog)

Covers computer crime, relevant laws, agencies, standards, auditing, logging, forensics, and related software. Explores legal principles such as chain of evidence, electronic document discovery, eavesdropping, and entrapment. Hands-on experience with forensics tools.

Course Text Books

A Practical Guide to Computer Forensics Investigations / Edition 1

* by Darren R. Hayes
* ISBN-10: 0789741156
* ISBN-13: 9780789741158
* Publisher: Pearson IT Certification

Attendance

Attendance will be mandatory and taken via Blackboard each class. If you are unable to attend class, please send an email prior to class. An absence will not be excused without prior approval.

Blackboard Discussions

The class will have a discussions on Blackboard related to the blocks of instruction. The topics will be provided, however new topics may be proposed. With approval by the instructor, the additional topic will be added to the discussion. The frequency and quality of the responses will make up the participation section of the semester grade.

Schedule

The course will be three blocks of instruction, an exam at the conclusion of each block, and a final cumulative exam. Each of the block exams will be closed book, however a page of notes will be allowed for the final cumulative exam. The page of notes will be single sided and hand written, computer printouts will not be allowed. All the exams will be Scantron multiple-choice tests on form 882-E. The topics of each block are as follows:

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| --- | --- | --- | --- | --- |
| Block 1 | 8/27, 9/10, 9/17 |  | Block 2 | 10/1, 10/9, 10/15 |
| Computer Forensics Overview | |  | Evidence Admissibility | |
| Forensic Disciplines | |  | Chain of Custody | |
| Goal of Forensics | |  | Documentation | |
| Forensic Evidence | |  | Report Writing | |
| Cyber Investigator Skills | |  | Anatomy of a Hard Drive | |
| Industry Training and Certifications | |  | Hard Drive Connections | |
| Cyber Related Law | |  | Binary, Hex, and Decimal | |
| Exam 9/24 |  |  | Forensic Imaging | |
|  | |  | Exam 10/22 |  |

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| --- | --- | --- | --- | --- |
| Block 3 | 10/29, 11/5, 11/12, 11/19 |  | Final Exam Review 12/3 | |
| Windows Artifacts | |  | Final Exam 12/17, 7:30 | |
| Forensic Tools | |  |  |  |
| Forensic Tool Demonstrations | |  |  |  |
| Exam 11/26 |  |  |  |  |

Grading

Blackboard Discussions: 20%

Attendance: 15%

Block Exams: 40%

Final Exam: 25%

|  |  |
| --- | --- |
| Grading Scale | |
| A+ 97-100% | B- 82.9 – 80 % |
| A 96.9 – 93 % | C+ 79.9 – 77 % |
| A- 92.9 – 90 % | C 76.9 – 70 % |
| B+ 89.9 – 87 % | D 69.9 – 60 % |
| B 86.9 – 83 % | F 59.9 and below |

Make-up exams and late assignments will not be accepted. However if there are extenuating circumstances, prior arrangements must be made. Each instance will be evaluated and discussed independently.

Honor Code

Honor Code George Mason University has an Honor Code, which requires all members of this community to maintain the highest standards of academic honesty and integrity. Cheating, plagiarism, lying, and stealing are all prohibited. All violations of the Honor Code will be reported to the Office of Academic Integrity. See http://oai.gmu.edu/the-mason-honor-code-2/ for more detailed information.

University Policies

Campus Resources:

The Writing Center, University Libraries, Counseling and Psychological Services (CAPS) and the Office of Disability Services are available to assist students. Links to the University Catalog and the University Policies website for all other university academic and non-academic policies can be found in the links below.

* General University Information/Weather: www.gmu.edu
* Office of Disability Services: ods.gmu.edu
* Writing Center: writingcenter.gmu.edu
* Counseling and Psychological Services: caps.gmu.edu
* University Catalog: catalog.gmu.edu
* University Policies: universitypolicy.gmu.edu
* University Library: library.gmu.edu

Accommodations for Students with Disabilities:

If you are a student with a disability and you need academic accommodations, please see me and contact the Disability Resource Center (DRC) at 703.993.2474. All academic accommodations must be arranged through that office.

Add/Drop Period:

|  |  |
| --- | --- |
| September 4, 2018 | Last day to add |
| September 9, 2018 | Last day to drop with no tuition penalty |

Class Cancellations:

Check Mason’s homepage (www.gmu.edu) to see if classes are cancelled for bad weather or any other emergency circumstances. You can also register for Mason’s emergency alert system at https://alert.gmu.edu. If I should have to cancel a class due to a personal emergency, I’ll make every attempt to email you ASAP at your Mason email address. Be sure to check your email regularly so you can receive important information in a timely manner.