CSIS 3755 - Information Assurance

Fall 2026 Syllabus, Section 01, CRN 42029,

Credit hours: 3

Instructor

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Public Instructor Information

Instructor Title: Assistant Professor
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Course Description

3755. Information Assurance. Introduction to Cyber Security basics. Topics include: the roles organizations, laws, and people play in cyber security, current cyber security trends including an analysis of cyber-attacks and possible defenses, and industry best practices in regard to information security. Disaster planning and recovery. Prereq.: C or better in CSIS 1590 or (CSIS 1595+CSIS 1595L) or (CSIS 2605+CSIS 2605L) or (CSIS 2610+CSIS 2610L). 3 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Principles of Information Security, 7th Edition	Whitman, Michael E.	8220124639043

The course readings are subject to change in the event of extenuating circumstances, research developments, current events, and/or to ensure better learning.

Schedule of Topics and Assignments

Week of	Reading(s)	Proposed Topic	Due/To Prepare for Class
8/24	Ch. 1 Ch. 2	Introduction to Information Security Pervasive Attack Surfaces and Controls	
8/31	Ch. 3 Ch. 4	Fundamentals of Cryptography Advanced Cryptography	
9/7	Ch. 5 Ch. 6	Endpoint Vulnerabilities, Attacks, and Defenses Mobile and Embedded Device Security	
9/14	Ch. 7 Ch. 8	Identity and Access Management (IAM) Infrastructure Threats and Security Monitoring	
9/21	Ch. 9 Ch. 10	Infrastructure Security Wireless Network Attacks and Defenses	
9/28	Ch. 11 Ch. 12	Cloud and Virtualization Security Vulnerability Management	
10/5	Ch. 13 Ch. 15	Incident Preparation and Investiga Information Security Management	

The course schedule, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances, by mutual agreement, and/or to ensure better learning.