

CSIS 3755 - Information Assurance

Fall 2026 Syllabus, Section 02, CRN 41335,

Credit hours: 3

Instructor

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Assistant Professor

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Public Instructor Information

Instructor Title: Assistant Professor

Instructor Professional Qualifications: Ph.D. in Cybersecurity, Northcentral University, 2021

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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	Introduction to Information Security	
8/31	Ch. 2	Pervasive Attack Surfaces and Controls	
9/7	Ch. 3	Fundamentals of Cryptography	
9/14	Ch. 4	Advanced Cryptography	
9/21	Ch. 5	Endpoint Vulnerabilities, Attacks, and Defenses	
9/28	Ch. 6	Mobile and Embedded Device Security	
10/5	Ch. 7	Identity and Access Management (IAM)	
10/12	Ch. 8	Infrastructure Threats and Security Monitoring	
10/19	Ch. 9	Infrastructure Security	
10/26	Ch. 10	Wireless Network Attacks and Defenses	
11/2	Ch. 11	Cloud and Virtualization Security	
11/9	Ch. 12	Vulnerability Management	
11/16	Ch. 13	: Incident Preparation and Investigation	

11/23	Ch. 15	Information Security Management
11/30	Work on Final Projwcts	Final Projects Due 12/06/2026 by 11:59 PM

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.