

CSIS 3756 - Security Design

Fall 2026 Syllabus, Section A01, CRN 43586,

Credit hours: 3

Instructor

Robert A. Gilliland, Ph.D.

Assistant Professor

Email: ragilliland@ysu.edu

Public Instructor Information

Instructor Title: Robert A. Gilliland, Ph.D.

Instructor Professional Qualifications: PhD, Cybersecurity, Northcentral University, 2021

Instructor Office Location: Meshel Hall, Room 318

Instructor Office Phone: (330) 941-2808

Course Description

3756. Security Design. Application of tools and methodologies used in cyber security. Analysis of threat actors' methods and how to defend against them. Methods and tools on securing enterprise infrastructure including network access and communication security. Prereq.: C or better in CSIS 3755 and (CSIS 3782 or CSIS 3723). 3 s.h.

Course Readings

Group	Title	Author	ISBN
Required	Management of Cybersecurity, 7th Edition	Whitman/Mattord	9798214011790

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 the Management of Cybersecurity Governance and Strategic Planning for Cybersecurity	
8/31	Ch. 3 Ch. 4	Risk Management: Assessing Risk Risk Management: Treating Risk	
9/7	Ch. 5 Ch. 6	Compliance: Law and Ethics Cybersecurity Policy	
9/14	Ch. 7 Ch. 8	Developing the Cybersecurity Program Cybersecurity Management Models	
9/21	Ch. 9 Ch. 10	Cybersecurity Management Practices Planning for Contingencies	
9/28	Ch. 11 Ch. 12	Cybersecurity Maintenance Cybersecurity Protection Mechanisms	
10/5	Work on Final Project	Final Project Due in Blackboard by 11/01/2026	

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.