

CS471

Security & Info Assurance

Welcome!
5/3/2023

CS471

Security & Info Assurance

Course Schedule

Week #	Monday	Wednesday	Reading	Weekly Topic	Due	Assigned
1	01/16/23	01/18/23		Getting started		
2	01/23/23	01/25/23	Chapter 1	Introduction		Assignment 1
3	01/30/23	02/01/23	Chapter 2	Symmetric Encryption	Assignment 1	Assignment 2
4	02/06/23	02/08/23	Chapter 3	Asymmetric Encryption	Assignment 2	Assignment 3
5	02/13/23	02/15/23	Chapter 4	Key Distribution and Authentication	Assignment 3	
6	02/20/23	02/22/23	Chapters 1-4	Review : Midterm 1		
7	02/27/23	03/01/23	Chapter 5	Network Access Control		Assignment 4
8	03/06/23	03/08/23	Chapter 6	Transport Level Security	Assignment 4	Assignment 5
9	03/13/23	03/15/23	Chapter 7	Wireless Network Security		
10	03/20/23	03/22/23	Chapter 8	DNS and Email Security	Assignment 5	
11	03/27/23	03/29/23		Spring Break		
12	04/03/23	04/05/23	Chapters 1-8	Review : Midterm 2		
13	04/10/23	04/12/23	Chapter 9	IP Security		Assignment 6
14	04/17/23	04/19/23	Chapter 10	Malicious Software	Assignment 6	Assignment 7
15	04/24/23	04/26/23	Chapter 11	IDS		
16	05/01/23	05/03/23	Chapter 12	Firewalls	Assignment 7	
17	05/08/23	05/10/23		Finals Week		
	*No Meeting			Final Exam: TBD		

CS471

Security & Info Assurance

Today

- Final Exam Discussion

CS471

Security & Info Assurance

The X.800 service categories will be important for the entire semester.

As we examine security, this will be our measure.

- X.800 Service Categories

- Authentication
- Access control
- Data confidentiality
- Data integrity
- Non-repudiation

X.800 SERVICE CATEGORIES

- Authentication
- Access control
- Data confidentiality
- Data integrity
- Nonrepudiation



CS471

Security & Info Assurance

Final Exam

- Wednesday, May 10th 5:30-7:30PM
- Two hour maximum time
- Respondus Browser
- Exam on Canvas
- Start on time
- Submit by 7:45PM

Format

- 10 questions
 - 10 points each
 - 100 points Total
- Essay format answers
- “Closed book”: No Books, Notes, or outside resources.

CS471

Security & Info Assurance

Final Exam Topics

- IPSec
 - What is it? What specific services does it provide? How?
- Malware
 - Botnets
- IDS
 - What is it? What are some of the specific ways of detecting attacks?
 - How is it deployed?
 - Honeypots
- Firewalls
 - What does it do?
 - How is it used to provide security?
 - Types of firewalls including:
 - NAT firewalls.
 - IPSec firewalls
 - DMZ firewall
- Tunnels
- MiTM

CS471

Security & Info Assurance

Sources to review:

- Textbook chapters 9-12
- Lecture examples
- Homework assignments

CS471

Security & Info Assurance

Thank you!