

# Principles of Information Security

## CS 5323 Lecture One

Prof. William Winsborough  
August 23, 2007

23 August 2007

Winsborough CS 5323 Lecture 1

1

## Course Introduction

- See syllabus:
  - <http://www.cs.utsa.edu/~winsboro/teaching/CS5323F2007/Syllabus.htm>
- Attendance is mandatory
- Read the text book
  - I will assign readings and assignments in lecture
- If you cannot make my office hours, please set up an appointment
  - Email, call, drop by
- Please speak up!

23 August 2007

Winsborough CS 5323 Lecture 1

2

## Two Textbooks

- The Anderson book is more systems engineering
  - Available on line, but you are encouraged to buy a copy
- The Gollmann book is more computer science
  - I suggest you order from Amazon or similar
  - (I didn't make a text selection in time for the book store to have it available for you)

23 August 2007

Winsborough CS 5323 Lecture 1

3

## Business

- Read chapters 1 and 2 of Anderson by Tuesday

23 August 2007

Winsborough CS 5323 Lecture 1

4

## Course Activities

- Assignments
  - Due at start of class in which the paper in question is first discussed
- Participation in class
  - Attendance is required
- Tentatively planning to have 3 exams

23 August 2007

Winsborough CS 5323 Lecture 1

5

## Some Security Objectives

- Major Security Objectives
  - Confidentiality and Privacy
  - Integrity and Authenticity
  - Availability
- Common Security Mechanisms
  - Authentication
  - Access Control
  - Encryption

23 August 2007

Winsborough CS 5323 Lecture 1

6