

# CSE 498U/598U – Computer Security

**Class 5:** Friday, September 3

---

## Reminders

- Homework
    - Homework 2 - Password Cracking
  - Reading / Web Browsing
    - Google: Breaking simple ciphers
    - Topic Ideas – Final Project
    - Read Chapter 10
- 

## Schedule

Friday  
Block/Stream, DES

Monday  
PKI, RSA

Wednesday  
Digital Signatures, Certificates

---

## Lecture Outline

Key Issues  
Distribution, Management

Stream vs. Block Cipher

DES  
Algorithm Operation / Proof of concept / Cracking

---

## Key Points

- What is the difference between key distribution with a public/private key and key distribution with a symmetric (secret) key?
- What are the pros/cons of a stream vs. block cipher?
- What is confusion and how does it differ from diffusion?
- Describe the basic DES operation