

Information Security and Privacy Syllabus

Description

This is an introductory course in Information Systems Security that deals with following topics: Cryptography, capability and access-control mechanisms, authentication models, security models, operating systems security, malicious code, security policy formation and enforcement, vulnerability analysis, evaluating secure systems.

Prerequisites: Data Structures (CS 202); Discrete Mathematics (MA 311) and competence in application development in UNIX and Windows environments. It is possible to take this class with special permission from the instructors.

Course Policies

You are required to check online site daily for: Information, announcements, discussions, updated lecture notes, homework. Reading material etc. You cannot say you did not check the website.

Grades – 40% HW, 20% Online discussion, 20% Midterm and Final each.

Homework may require some programming. You will be given access to a Linux box on Vlab on which you can do these assignments.

Due dates have grace period of maximum one week. Homework is assigned (almost) every week. Maximum 10 will be assigned.

Course is organized into modules. One module a week.

Online discussion topics will be posted for every module.

You are required to contribute at least once in discussion thread for every module.

Weekly discussion posts will be graded and will count for 2.5% of your grade every week.

Best 8 weeks will be taken for final grade.

Discussion will be asynchronous

Grades will be curved but if you have an 90 average or above you are guaranteed an A.

Required Materials

Text Book is required. See information below.



↓ Introduction to Computer Security





Title **Introduction to Computer Security**
Author Matt Bishop
ISBN 978-0-321-24744-5
Publisher Addison Wesley Professional
Publication Date October 26, 2004
Binding Trade Cloth
Type Print
Price \$74.99
Required