

## CS3600-1 Introduction to Computer Security (4-2) Summer AY04

This course teaches the fundamental principles of computer and communications security and information assurance. It is designed to touch a lot of areas, but with little depth: “a mile wide and an inch deep.” As a result, many topics are covered, and the student is familiarized with the “language” of computer security. Knowing the fundamentals and the vocabulary, the student will be able to understand computer security literature, marketing material, and other presentations, and, more importantly, be able to detect weaknesses or strengths.

Course Hours		Instructor	
Lecture:	SP 421, 1100 (M, Tu, W, Th)	Paul Clark	
Laboratory:	SP 506 (independent)	Office:	Sp 532A
		Email:	<a href="mailto:pcclark@nps.navy.mil">pcclark@nps.navy.mil</a>
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<http://www.cs.nps.navy.mil/people/faculty/clarkp>

### Texts

<i>Security in Computing, 3<sup>rd</sup> Edition</i> Pfleeger, Addison-Wesley, 2002, ISBN: 0130355488	Lecture Notes Lab Manual
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### Topics Covered

Introduction	Malicious Software	Network Security I encryption issues
I&A, DAC	Accreditation & Evaluations	Network Security II TCP/IP, Firewalls, IDS
MAC & Supporting Policies	Cryptography Basics	Network Security III PKI
Building Secure Systems	Cryptographic Protocols	

### Grading

Exam #1:	30%	Grading will be assigned on a straight point system:			
Exam #2:	30%	A 96-100	B 84-87	C 72-75	
Exam #3:	30%	A- 91-95	B- 80-83	C- 68-71	
Labs / Homework:	10%	B+ 88-90	C+ 76-79	D 64-67	

Current estimated test dates: Jul 29<sup>th</sup>, Aug 26<sup>th</sup>, Sep 16<sup>th</sup>.

(over)

## Policies

1. Assigned work is due at the beginning of class. Otherwise, it is considered late, and will be marked down. Late work will only be given full credit if arrangements were made in advance.
2. Assigned work is to be done individually.
3. No “gouge” is allowed for assigned work. For example, answers to lab assignments are not to be copied from someone who did them in a previous quarter. Violating this policy may result in unpleasant consequences.
4. Using a “gouge” is **only** allowed when studying for a test.
5. A laptop can be used in class as long as it is not distracting others.