

Planned Syllabus

#	date	topic	reading ^a
1.	Thu, Apr 1	Introduction to computer security; Saltzer and Schroeder	§1, §13
2.	Tue, Apr 6	Saltzer and Schroeder; access control matrix model	§13, §2
3.	Thu, Apr 8	HRU result, Take-Grant; SPM, expressive power	§3
4.	Tue, Apr 13	Expressive power, TAM, policies	§3, §4
5.	Thu, Apr 15	Policies, Bell-LaPadula Model	§4, §4
6.	Tue, Apr 20	DG/UX system; formal Bell-LaPadula model	§5
7.	Thu, Apr 22	<i>no class</i>	
8.	Tue, Apr 27	Formal Bell-LaPadula model, tranquility, System Z	§5
9.	Thu, Apr 29	<i>guest lecturer: Prof. Felix Wu</i>	
10.	Tue, May 4	Integrity models; Chinese wall	§6, §7
11.	Thu, May 6	CISS, ORCON, RBAC; basic cryptography	§7
12.	Tue, May 11	Ciphers, DES, public key, cryptographic hashes	§9
13.	Thu, May 13	Key exchange, generation, infrastructure, escrow	§10
14.	Tue, May 18	Key escrow; digital signatures; authentication	§10, §12
15.	Thu, May 20	Authentication, access control mechanisms	§12, §15
16.	Tue, May 25	Access control mechanisms, assurance	§15, §18
17.	Thu, May 27	Life cycle and security; auditing, design of audit systems	§18, §24
18.	Tue, Jun 1	Audit mechanisms, examples; intrusion detection	§24
19.	Thu, Jun 3	Intrusion detection models, architectures, organization	§25
20.	Tue, Jun 8	<i>no class</i>	

a. Unless otherwise noted, all readings are from the text.

This syllabus is *tentative* and subject to change as needed. If there is a topic you want to hear about and it is in the syllabus, please let me know. I won't promise to cover it, but I may