راهنمای مطالعه درس امنیت کامپیوتر

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دی ۹۸

در همه بخش‌ها مطالعه اسلایدهای تدریس شده و نیز مراجع گفته شده لازم است. اسلایدها و مراجع در سایت درس در دسترس هستند.

Topics	References
Introduction	[1] chapter 1, [2] chapter 1
Access Control Matrix and Foundation results	[1] chapter 2, and §§3.1, 3.2
Security policies	[1] chapter 4
Confidentiality Policies	[1] §§5.1, 5.2, 5.3 (§5.2.3 and §5.4 are excluded i.e. "Formal Model" and "The Controversy over the Bell-LaPadula Model")
Integrity Policies	[1] chapter 6, [3], and [4]
Role based Access Control	[5]
Access Control Implementation	[2] chapter 4
User Authentication	[2] chapter 3, [1] chapter 13
Design Principles	[1] chapter 14
Confinement Problem	[1] chapter 18
Assurance	[1] chapter 19 and 22, [2] §§13.6 and 13.7
Threat Modeling and Analysis	[6], [7]

* §: Section

References

[1] Matt Bishop, *Computer Security: Art and Science*, Addison Wesley, 2nd edition, 2019.

[2] William Stallingstitle, *Computer Security: Principles and practice*, 3rd Edition, Pearson Education, 2015.

[3] H. R. Shahriari, lecture nots on repations models (Available from the course page).

[4] J.Liu, V. Issarny, "Enhanced Reputation Mechanism for Mobile Ad-Hoc Network", Proc. iTrust , 2004

[5] David F. Ferraiolo, Ravi Sandhu, Serban Gavrila, D. Richard Kuhn, and Ramaswamy Chandramouli. "Proposed NIST standard for role-based access control" ACM Transactions on Information and System Security (TISSEC) 4, no. 3 (2001): 224-274.

[6] H. R. Shahriari, lecture nots on threat modeling (Available from the course page).

[7] Adam Shostack, "Experiences Threat Modeling at Microsoft." In MODSEC@ MoDELS. 2008.