

**Institute of Telecommunications Management
National Cheng Kung University
Draft Detailed Schedule of Network Security 2016**

105.02.21

Week	Date	Content & Hands-on activity		Discussion and Presentations
1	02/22	Warm up: Introduce of the course (Design and Requirements)		
2	02/29	No class		
3	03/7	Ch1: The Threat Environment	Hands-on: Nmap P77	ND: Security & Privacy over Social Network Case: The State of Cybercrime P78
4	03/14	Ch1: The Threat Environment & Ch2: Planning of Policy		ND: Security & Privacy over Internet Service Providers
5	03/21	Ch2: Planning of Policy	Hands-on: Refog P144	ND: Security & Privacy over Carrying Devices Case: Security Policy, Leadership, and Training P145
6	03/28	Ch3: Elements of Cryptography	Hands-on: AxCrypt P205	ND: Security & Privacy over Internet of Things Case: The battle for Privacy P207
7	04/04	No class		
8	04/11	Ch3: Elements of Cryptography		ND: Security & Privacy over Transportation (LBS)
9	04/18	Ch4: Secure Networks	Hands-on: inSSIDer P258	ND: Security and Privacy over E-government Case: Advanced Persistent Threats P259
10	04/25	Ch4: Secure Networks		ND: Security & Privacy over Big Data
11	05/02	Midterm Exam		
12	05/09	Ch5: Access Control	Hands-on: Ripper P324	ND: Security and Privacy over Cloud Services Case: Securing Hyperextended Enterprises P326
13	05/16	Ch6: Firewalls	Hands-on: Wireshark P385	ND: Security and Privacy over Mobile Payment Case: R&D VS Espionage P387
14	05/23	Ch7: Host Harding	Hands-on: FileVerifier P442	Case: New Platform. New Problems. P443
15	05/30	Ch8: Application Security	Hands-on: OWASP P493	Presentation

16	06/06	Ch9: Data Protection	Hands-on: TrueCrypt P547	Presentation
17	06/13	Ch10: Incident and Disaster Response	Hands-on: HoneyBOT P600	Presentation
18	06/20	Final Exam		

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1. Textbook: Corporate Computer Security Fourth Edition
 2. Author: Randall J. Boyle & Raymond J. Panko
 3. Grade: Midterm exam 25%, Final exam 25%, Project presentation 20%, Homework, News discussion, Case study and Participation Presentation 30%
 4. 10 % about PPT file and report and 10% about presentation and interaction
 5. No late homework!
 6. In-class discussion will be the main teaching style. Welcome your own opinions. Different ideas would be highly encouraged
 7. Welcome your feedback of this course to make it full of fun
 8. One week for you to survey potential topics of group project. If not enough responses, I will add some topics to enrich
 9. Teaching material would be uploaded in moodle teaching platform. The password will be sEcurity_\$Crypt_16
 10. ND: news discussion material would be uploaded to the moodle one week before.
 11. Hands-on: it would be a group homework, bring the screen-shot for further discussion.