



中山大學
SUN YAT-SEN UNIVERSITY

SYLLABUS

2017-1 (Fall 2017)

Class Hours: 10:00-11:40 Mon. / B101 (Week 1-20)

16:20-18:00 Thu. / B101 (Week 1-10)

Lecture Notes: courseware_ns_sysu@163.com

Instructor: Cai Guoyang, email: isscgymail@mail.sysu.edu.cn

Web Security: Theory & Applications

School of Data & Computer Science, Sun Yat-sen University

Syllabus

- **B. ORGANIZATION**

- Lecture Time
- Home works
- Lab Works



Syllabus

- **C. COURSE OBJECTIVES**
 - To introduce
 - To develop
 - To provide



Syllabus

- **D. COURSE TOPICS**

- Fundamentals of Information Security
 - ✧ Introduction to Information Security
 - ✧ Cryptographic Techniques
 - ✧ Authentication Techniques
- Internet Security
 - ✧ Introduction to Internet Security
 - ✧ Network Attack and Defence
 - ✧ Firewall
 - ✧ Intrusion Detection
- Web Security
 - ✧ The Architecture and Security of Web Applications
 - ✧ Security Flaws of Web Applications
 - ✧ Secure Web Programming

Syllabus

- **E. TEXT AND REQUIRED SUPPLIES**

- Course Notes

- ✧ courseware_ns_sysu@163.com

- References

- ✧ William Stallings, Lawrie Brown, Computer Security, Pearson (2008)
 - ✧ Ross Anderson, Security Engineering, 2th ed., Wiley (2008)
 - ✧ Eric Cole, Network Security Bible, 2th ed., Wiley (2009)
 - ✧ Dafydd Stuttard, Marcus Pinto, The Web Application: Hacker's Handbook, 2th ed., Wiley (2011)
 - ✧ Paco Hope, Ben Waltber, Web Security Testing Cookbook, O'Reilly (2009)



Syllabus

- **F. GRADING PLAN**

- Assignments 30%
 - ✧ Pls. send to [TA](#)
 - ✧ You can discuss the problems with your classmates, but all work handed in should be original, written by you in your own words and uploaded on time.
 - ✧ **No late homework will be accepted.**
- Final Exam 60%
- Attendance 10%

Syllabus

- **G. CLASSROOM RULES OF CONDUCT**
 - Cell phone using
 - Laptop using
 - Food & drink
 - Being Late for class

