

TENTATIVE SCHEDULE: COSC 647Instructor: **Nam Nguyen**

Week	Date	Topic	Assignment
1	26-Aug	Syllabus - Lab setup Introduction to Application Software Security	
2	2-Sep	x86 Registers, Memory Addresses and Organization Memory segments in a compiled C program	
3	9-Sep	x86 Assembly Language Debugging in Linux	Group info due HW1 out
4	16-Sep	Shellscript Buffer Overflow	Quiz 1
5	23-Sep	Buffer Overflow (cont'd) Heapbased buffer overflow	HW1 due, HW2 out
6	30-Sep	Integer Overflow Lab: Buffer-Integer overflow	Quiz 2 LR1 due
7	7-Oct	Midterm Exam Project progress presentation	Report 1 due
8	14-Oct	Format String Vulnerability Lab: Format String Vulnerability	HW2 due, HW3 out
9	21-Oct	Race Condition Vulnerability Lab: Race Condition Vulnerability	Quiz 3 LR2 due
10	28-Oct	SQL Injection Lab: SQL injection	
11	4-Nov	Cross Site Scripting Lab: Cross Site Scripting	HW3 due, HW4 out. LR3 due Quiz 4
12	11-Nov	Cross Site Request Forgery + Lab Project progress presentation	LR4 due Report 2 due
13	18-Nov	Firewall Lab: Linux Firewall	HW4 due, HW5 out
14	25-Nov	NO CLASS	
15	2-Dec	Penetration testing Lab: Packet Sniffing and Spoofing Lab	Quiz 5 LR5 due
16	9-Dec	Final Project Presentation Review for Final Exam	HW5 due
Final Exam (Tuesday, Dec 16th, 2014 -- 7:30 - 9:30pm, YR 405) - Final report due			