

# COMPUTER SCIENCE 985-Computer Network and Information System Security-Course Outline Fall 2015 Section #8058

Instructor: Anna S Chiang, MS in Computer Science  
Microsoft Certified System Engineer, CompTIA A+ Network+ Security+

Class Schedule: On-Line Aug 31-Dec 19 except the final exam on-campus, course syllabus can be accessed via ETUDES [www.myetudes.org](http://www.myetudes.org), see next page for login instructions.

Special Notes: **Note that the final exam will be held on campus on Dec 19 in CE101 or 105A from 1-4 pm. Students who can't make it can reschedule with the instructor to take the final exam during the week of Dec 14-Dec 19.**

Office Hour: Mon/Tues/Wed/Thurs 12 pm-7 pm (in CE229)  
Sat afternoon by appointment only (e-mail ChiangA@wlac.edu)

Office/e-mail : CE 229, 310-287-4253 ChiangA@wlac.edu

## Important and useful information

**Campus orientation: Aug 25 ( 10 am ) OR Aug 22/29 ( at 2 pm) in CE105A**

**UC/CSU Transfer Program /Honor Credit <http://www.wlac.edu/Transfer-Programs/Transfer-Honors-Program.aspx>**

**College Web Site <http://www.wlac.edu> -> for student (all student-related services)**

**LACCD student's e-mail system** <http://www.wlac.edu> -> current student ->e-mail-> student can forward LACCD e-mail to another personal e-mail.

**Disabled Student Service <http://www.wlac.edu/DSPS> -students must contact DSPS office to obtain an approved accommodation request.**

**CS Division Web Site <http://www.wlac.edu/computer-science> with the following useful information:**

CS faculty office hour and computer lab open hour

Petition for degree & certificate

Discount Voucher for CompTIA A+ Network+ Security+ Linux+

Free Software Download (Windows desktop & Server operating system, Microsoft ACCESS and Visio Studio)

Requirement for AA/AS degree and Certificate of Achievement in the following tracks :

Degree and Certificate in Computer Science (10 major courses)

Degree and Certificate in Computer Network and Security Management (10 major courses)

Degree and Certificate in Computer Web Support and Database Administration (10 major courses) Certificate of Achievement in Computer Network Management (requires 6 courses)

Certificate of Achievement in Information System Security (requires 6 courses)

Certificate of Achievement in Business Application and Database Management (requires 6 courses)

Certificate of Achievement in Web Support and Administration (requires 6 courses)

## Faculty advisor and major declaration

Please note that students must declare a major in order to become eligible for scholarship and internship opportunities. To declare a major, please obtain the form of change request from CS division website [www.wlac.edu.csit](http://www.wlac.edu.csit) click the link on the left menu.

By default, your instructor can be the faculty advisor; please see the instructor during the posted office hour OR you can make an appointment with the following fulltime faculty advisor:

Ashok Patil –Degree, transfer, and certificate in Computer Science- [PatilA@wlab.edu](mailto:PatilA@wlab.edu)

Anna Chiang-Degree, transfer and certificate in Computer Information Science/Computer Network and Security Management- [ChiangA@wlab.edu](mailto:ChiangA@wlab.edu)

Marcus Butler-Microsoft, CISCO, VMWare training [ButlerM@wlab.edu](mailto:ButlerM@wlab.edu)

Manish Patel-Degree and certificate in Web development and Database Administration-  
[PatelM@wlab.edu](mailto:PatelM@wlab.edu)

## Important date to remember

Important dates to remember:

Last day to drop class with a refund/no fee owed is Sept 11, 2015

Last day to drop class w/o a “W” is Sept 11, 2015

Last day to drop a class with a “W” is Nov 20, 2015

College closed on the following holidays:

Labor Day                      Sept 7

Veterans Day                Nov 11

Thanksgiving                Nov 26-29

## Exclusion policy

**Students who are inactive** in the class may result in **exclusion**. **It is a student’s responsibility** to drop the class. Failure to drop the class in a timely manner will result in “Failure” on the transcript.

## Incomplete policy

A Student who has successfully completed more than 75% of the course work and has communicated with the instructor with a justifiable explanation may be considered for an incomplete grade

## Course description

This course introduces the basic concepts of network security and information assurance. Topics include: network and application hardening, remote communication security, web and internet security, security policies & procedures, organizations & operational security and computer forensics. This course combined with CS980 is also designed to help candidates prepare to take CompTIA Security+ certification exam. It is one of the required courses leading to AA/AS degree/Certificate in Network and Security management.

## Student learning outcome

At end of the course, the successful students will be able to secure a Windows operation system on the network.

At end of the course, the successful students will be able to secure perimeter network hardware devices.

At end of the course, the successful students will be able to detect network intrusion.

At end of the course, the successful students will be able to design a network security policy.

## Required course material / equipment and certification exam

**Required Equipment:** This class is offered 100% on-line except on-campus final exam, student must have computer with Internet connection in order to access college official course shell (ETUDES) and Testout LabSim site.

**Required Course Material: Testout Security Pro (which includes Security+ SY0-401)**

A multimedia web based E- Learning including course simulation, demo, chapter & lesson notes, lab simulation and exam simulation.

**About Certification Exam**

CS980 and CS985 are designed to help students prepare for Testout Security PRO and CompTIA Security+ certification exam.

Students who plan to take CompTIA Security+ can contact instructional assistant Laurent Phung via PhungL@wlaac.edu for a discount exam voucher.

**Final Exam and Security Pro Certification Exam**

The publisher Testout Corp offers **Security Pro** certification exam to students who have subscribed Security PRO subject at the end of semester. This certification exam is **free of charge** but must be scheduled and supervised by the instructor. The instructor will use Security PRO certification exam as the final exam. The final exam will be **held on campus on Dec 19 in CE101 or 105A from 1-4 pm. Students who can't make it can reschedule with the instructor to take the final exam during the week of Dec 14-Dec 19.**

**Important Notes for Final Exam:**

Since CS985 is the terminal course for students to earn degree in “Network and Security Management” and Certificate of Achievement in “Network and Information Security”, the final examination is on campus, comprehensive and closed book to help students earn Testout Security PRO and to prepare for CompTIA Security+ certification exam. The final exam can't be skipped, skipping final exam will cause “failure” on semester grade.

**How to purchase the course material on-line? ( or see “Resources” on ETUDES course shell)**

To access the student discount pricing (**\$89**) students need to go to **www.testout.com** and enter the promotional code **14-346ta**. This will take students to a page designed for West Los Angeles' students. Here students will need to enter the school name **West Los Angeles College**. This will check with Testout's database to verify if the school is authorized to purchase at this price. Because of this, it needs to be entered EXACTLY as above (including capitalizations). The student will also need to enter the instructor's name Anna Chiang. **The course material is now browser based**, it works on Apple computer too. You can access

the course material via **LabSim.Testout.com** without downloading client program. The program may prompt you to download Microsoft Silverlight to enhance multimedia effects.

If for any reason students need to purchase the required material from WLAC bookstore, please order it via the web site of WLAC's bookstore <http://store450.collegestoreonline.com> or contact Nilhson Zelaya in bookstore (310-287-4381).

**In order for the instructor to keep track of students performance on Testout LabSim Security+, each student must add himself or herself to the class of CS985 Fall15 before starting the course work. See instruction on the left menu "resource" of ETUDES course shell.**

### **Publisher Information**

TestOut Corporation 1-800-877-4889 or e-mail the representative Kelly Jorgensen via [KJorgensen@testout.com](mailto:KJorgensen@testout.com) if you have any questions about your account.

### **Testout LabSim account**

If the student has an account with Testout previously set up, the same account will be used for this class;

## **On-line course shell ETUDES login instruction**

### **On-line course shell ETUDES login instruction :**

**If you are a first-time online student, please see the dates for orientation (top of page 1).** To log on to on-line class, go to <http://www.myetudes.org> or [www.wlac.edu/online](http://www.wlac.edu/online) where you will find links to on-line tutorial, login instructions and Technical Requirements.

Example: Juan Straub, 88-459-0210, birthday is July 4.

The Login ID will be the first 2 letters of first name plus the first 2 letters of last name plus the last 5 digit of student ID, password is birthday.

- User ID: just90210
- Password: 0704

After logging in, double click the course you are enrolled.

If you are a first-time on-line student, make sure your Browser settings are as follow:

Tools->Internet Option-general->security setting->add [www.myetudes.org](http://www.myetudes.org) or [www.wlac.edu/online](http://www.wlac.edu/online) as a trusted site.

### **Student Information System and declaring a major**

You can view your transcript, update your personal information via Student Information System.

<http://www.wlac.edu>->register class->enter student ID and pin number.

To be eligible for scholarship and internship, students must have a major declared in Student Information System, to declare a major (e.g. computer network and security management major code 0708).

### **Email Communication**

If you have a valid email address in ETUDES, the instructor's announcement in ETUDES will be sent to your personal email. Otherwise, you should check the instructor's announcement every time when you log

on to ETUDES course shell. You might want to update your email address in ETUDES, after logon-> Account-> update your e-mail address.

### **Trouble login to ETUDES**

If you have trouble accessing the course on, or after, the start date visit the Online Student Help Desk at <http://www.wlac.edu/online/helpdesk.asp> . Click on Helpdesk Rules where your issue is likely addressed in the Frequently Asked Questions section. If not, post a message explaining the problem or contact the WLAC Distance Learning Program Office at (310)287-4305 or via email: shemwer@wlab.edu.

## **Class rules & guideline on assignment and test**

### **By taking this class, you agree to follow the Class Rules listed below:**

- (1) Students who are inactive in the class may result in exclusion, however it is your responsibility to drop the class; failure to drop the class in a timely manner will result in “F” on your record.
- (2) Cheating (or Plagiarism) on assignment/exam/project will result in “Failure”.
- (3) Students have to purchase the required course material when semester starts, students must log on to ETUDES on regular basis to check the following:

**Announcement-** Check announcement each time after you log in, important announcements are posted.

**Syllabus-**Course syllabus is attached.

**Assignment & Test are posted with the open and closed dates.**

- (4) Follow the schedule to work on “Assignment” and “Test”. **Do not wait until the last minute** to work on assignments. **Assignments submitted after the due day will receive 10%-50% deductions** (one week late 10%, two weeks late 20%..etc). The full credit for each assignment is 100 points.  
Assignment will not be accepted after 3 weeks late.

**Discussion and Private Message-** You can send messages to the instructor, for urgent issues, please send e- mail to [Chianga@wlab.edu](mailto:Chianga@wlab.edu). The instructor checks this e-mail on regular basis.

(5) You should print every chapter and lesson “FACTS” from the Testout LabSim subject program, each chapter has several lessons, each lesson has several text outline “FACTS” which can be the study guide for exam too.

(6) No make-up exam (test). Once you have viewed or taken the exam, you can’t open or retake it. There are weekly exams plus final, follow the exam “open and close” schedule. You have **one week** to take the exam. **Do not wait until the last minute to start the exam**, use a clock when you start the exam. The exam is a timed exam. **THERE IS NO MAKE-UP or RE-TAKE EXAM**. If there is any emergency, e-mail the instructor and schedule an “on-campus” exam within 7 days after exam expires (each student has **only one** opportunity to do so for one exam throughout the entire semester).

(7) Students can practice the exam simulation (end of each lesson) and lab simulation (with mouse icon) over and over again; the highest score will be posted on the “Progress Report” based on which the instructor will give “assignment” credit in ETUDES. Exam simulation has answers and explanations which help build your knowledge base. The step-by-step explanation to complete the lab simulation can be viewed by starting the



Week ends Oct 31	Chapter #7-Network Defenses	Assignment C#7	Exam C#7
Week ends Nov 7	Chapter #8-Host Defenses	Assignment C#8	Exam C#8
Week end Nov 14	Chapter #9- Application Defenses	Assignment C#9	Exam C#9
Week ends Nov 21	Chapter #10-Redundancy	Assignment C#10	Exam C#10
Nov 28	Chapter #11-Assessment and Audit	Assignment C#11	Exam C#11
Dec 5	Practice Exam Domain		
Dec 12	Practice Exam Domain		
<b>12/14-12/20 On Campus</b>	<b>Scurity PRO certification exam On Campus &amp; Closed book</b>		<b>On Campus Final Exam</b>

## College policies

### Academic Integrity (Plagiarism)

In accordance with code 9803.28, **academic dishonesty is prohibited and will not be tolerated in this class.** Violations of academic integrity include, but are not limited to, the following actions: cheating on an exam, plagiarism, working together on an assignment, paper or project when the instructor has specifically stated students should not do so, submitting the same term paper to more than one instructor, or allowing another individual to assume one's identity for the purpose of enhancing one's grade. Academic dishonesty of any type, such as cheating or knowingly furnishing false information, by a student provides grounds for disciplinary action by the instructor or college. In written work, no material may be copied from another without proper quotation marks, footnotes, or appropriate documentation.

- **Plagiarism will result in a zero for the assignment, possible dismissal from the class and disciplinary action from the college.**

### Student Conduct

According to code 9803.15, disruption of classes or college activities is prohibited and will not be tolerated. Refer to the catalog and the Standards of Student Conduct in the Schedule of Classes for more information.

### Recording Devices

State law in California prohibits the use of any electronic listening or recording device in a classroom without prior consent of the instructor and college administration. Any student who needs to use electronic aids must secure the consent of the instructor. If the instructor agrees to the request, a notice of consent must be forwarded to the Vice President of Academic Affairs for approval.

**For more information refer to the attached link:**

[http://www.wlac.edu/academics/pdf/WLAC\\_10-12Catalog\\_Policies.pdf](http://www.wlac.edu/academics/pdf/WLAC_10-12Catalog_Policies.pdf)

## Campus resources:

As stated earlier in this syllabus, **if you are having problems, don't let them snowball.** Come and talk with me and check out some of the campus resources available to you.

### **Office of Disabled Student Programs and Services (DSP&S)**

Heldman Learning Resources Center (HLRC), Room 119 | (310) 287-4450.

West Los Angeles College recognizes and welcomes its responsibility to provide an equal educational opportunity to all disabled individuals. The Office of Disabled Students Programs and Services (DSP&S) has been established to provide support services for all verified disabled students pursuing a college education. DSP&S students may qualify for: priority registration, registration assistance, special parking permits, sign language interpreters and assistive technology.

### **Instructional Support (Tutoring) & Learning Skills Center**

Heldman Learning Resources Center (HLRC) | (310) 287-4486

Improve your reading, language, vocabulary, spelling, math fundamentals and chemistry knowledge with convenient, self-paced computer-aided courses in the Learning Skills Center. Increase your knowledge and learning success: sign up for tutoring in various college subjects.

### **Library Services**

Heldman Learning Resources Center (HLRC) | (310) 287-4269 & (310) 287-4486

The WLAC Library provides instruction on how to use the online catalog, periodical and research databases. In addition to a large collection of books, periodicals and videos the WLAC Library has course textbooks which students may use while in the Library. Web access is available in LIRL as well as meeting rooms. The upper floors provide a beautiful view ideal for study.

**for more information refer to attached link:**

[http://www.wlac.edu/academics/pdf/WLAC\\_10-12Catalog\\_Services.pdf](http://www.wlac.edu/academics/pdf/WLAC_10-12Catalog_Services.pdf)