

## COMP 424 – Computer System Security – Spring 2015

**Professor:** Dr. Vahab Pournaghshband (e-mail: vahab@csun.edu)

**LMS:** moodle.csun.edu

**Course Webpage:** <http://lasr.cs.ucla.edu/vahab/comp424>

**Lectures:** JD 1600 - M 7:00-9:45PM

**Office Hours:** JD 4421 - W 1:30-3:30PM

**Course Objectives: Course Description and Objectives.** *From the Catalog:* COMP 424. Computer System Security (3) Prerequisites: COMP 322/L and 380/L, or CIT 360 and IS 435; Attempted Upper Division Writing Proficiency Exam. Analysis of the need for computer system security and the security techniques in operating systems, databases and computer networks. Supporting techniques, such as auditing, risk analysis and cost-benefit tradeoffs, are discussed.

**Textbook:** Security in Computing. By Charles P. Pfleeger, Shari Lawrence Pfleeger, Jonathan Margulies (Fourth or Fifth Edition).

**Course Outline.** The following topics will be covered in this course:

- Cryptography and authentication
- Network security - threats and countermeasures
- Operating systems security
- Secure software design and programming
- Security analysis and forensics
- Privacy
- Other

**Grading:** You will get the same letter grade for the class (Plus/Minus grading will be used), based upon the following weighted list:

- Assignments: 20%
- Project: 25%
- Midterm (March 23rd): 25%
- Final (May 11th): 30%

Your combined percentage can be converted to a letter grade using the table below. Required percentages may be slightly reduced at the instructors discretion, but it won't increase.

|       |        |        |       |        |        |
|-------|--------|--------|-------|--------|--------|
| A 92% | A- 90% | B+ 88% | B 82% | B- 80% | C+ 78% |
| C 72% | C- 70% | D+ 68% | D 62% | D- 60% | F 0%   |

**Assignments.** The assignments (essays, homeworks, etc) will be posted on the course webpage along with their due dates. The student's solution to those will be submitted also via Moodle. Late submissions will not be accepted and will receive no credit.

**Project.** The project will be posted on the course webpage. The student's solution to that (all deliverables: code, documents, slides, etc) will be submitted also via Moodle. Late submissions will not be accepted and will receive no credit.

**Course Webpage.** The URL for the course website is <http://lasr.cs.ucla.edu/vahab/comp424>. You must check the site for announcements at least once every other weekday. Important announcements will be announced in the lecture, and posted on the course webpage. The credentials (username and password) to access the password protected sections of the webpage will be announced in the first class. You may ask the professor for this information as well.

**Academic Dishonesty:** The typical penalty for any form of academic dishonesty is as follows:

- First offense: a grade of 0% on the assignment or exam in question
- Further offense: F for the course and being reported to the Vice President for Student Affairs

Except the project, all assignments and exams in this course are to be done individually (not in groups). Note that facilitating the academic dishonesty of others is a form of academic dishonesty. Further details about academic dishonesty can be found in Appendix E of the CSUN catalog ([www.csun.edu/catalog](http://www.csun.edu/catalog)). If there is any doubt as to what constitutes academic dishonesty ask the professor.

**Changes to Syllabus.** Changes may be needed to this syllabus and to the course plan. All such changes will be announced in class and will be announced via e-mail. Students are responsible for this information.