

## Computer Science 488 – Security+ Certification Preparation – Fall 2017 Syllabus

<b>Class Name:</b>	<b>Co Sci 487 - Introduction to LAN</b>	<b>Section:</b>	<b>0000</b>
<b>Instructor:</b>	<b>Carlos R. Garcia</b>	<b>Email:</b>	garciacr@lamission.edu
<b>Phone:</b>	<b>(818) 364-7600 ext. 4413</b>	<b>Virtual Office Hours in Canvas:</b>	Tue 9:00 – 9:25 pm Thu 9:00 – 9:30 pm or by appointment

### Course Description

Students learn concepts of computer and network-security and gain skills necessary to apply knowledge of security concepts, tools, and procedures to react to security incidents, and guard against the security risks. At the end of the course, students are prepared for the CopmpTIA Security+ certification exam.

### Student Learning Outcome

Given a network problem scenario, the student will be able to select and implement the appropriate authentication, authorization, or access control.

### Textbooks

A **TestOut Security Pro** LabSim (lab simulation) activation code is required to access the **Security Pro** LabSim product at <http://www.testout.com>. All homework assignments, lab assignments, quizzes, and final exam will be completed in the LabSim **Security Pro** product. The **CompTIA Security+ Certification Exam Guide** will be used for discussion, and to supplement the TestOut Security Pro labsim.

- **TestOut Security Pro, English 5.1.0**  
ISBN: 978-1-935080-44-2
- Purchase the activation code at the college [Student Store](#) first. Create an account at <http://www.testout.com> once you have received the activation code.

### Software Requirements/Materials

This course **requires** students to have access to a computer with the **Microsoft Windows** operating system (Windows 7, 8, 8.1, or 10) or Mac OS (version 10 or higher), one of the supported browsers below, the required plug-ins below, high-speed internet access and an email account.

Supported browsers: **Internet Explorer** 10+, **Microsoft Edge** (Windows 10), **Google Chrome** 31+, or **Safari** 8+

Required Plug-ins: [Adobe Reader](#), [Adobe Flash Player](#), Microsoft [Silverlight](#)

The LACCD provides all students an Office 365 subscription that includes a license to download and install Microsoft Office 2016 for Windows and Mac. [Click here for Downloading & Installing Office 365 Instructions.](#)

[Click here for LACCD Student Email information.](#)

### Reasonable Accommodations

It is the policy of the Los Angeles Community College District (LACCD) and Los Angeles Mission College to accommodate students with disabilities, pursuant to federal law, state law and Los Angeles Mission College's commitment to equal educational access.

The Disabled Students Programs and Services (DSP&S) office can assist you with any special accommodations you may require for this course. The DSPS office may be reached by phone (818) 364-7732 or TDD (818) 364-7861, Monday through Friday between the hours of 8:00 am and 5:00 pm, or via their web site at <http://www.lamission.edu/dsps>. The DSPS office provides special assistance with areas such as registering for

courses, specialized tutoring, note-taking, mobility assistance, special instruction, testing assistance, special equipment, and special materials.

### Important Dates to Remember

Current information can be found at <http://www.lamission.edu/students/calendar.aspx>.

Deadline to add online	August 28
DAY AND EVENING CLASSES BEGIN	August 29
Deadline to add full term (16-week) classes in person	September 9
Last day to process Audit Add Request	August 29
Last day for Section Transfer	September 3
Drop classes <b>without receiving a "W"</b> with refund (by Internet only)	<b>September 11</b>
Drop classes <b>without incurring fees or with a refund</b>	<b>September 11</b>
Registration/parking/non-resident fees/semester-length classes	
Deadline to file for Pass/No Pass Grade	September 9
Deadline to file Graduation Petition for Fall 2016	October 31
<b>Drop classes with a "W"</b> (by Internet only)– A letter grade is required after this date	<b>November 20</b>

### Policies

This is a full on line class. There will be **no on-campus class meetings**. Please plan to login to the Canvas course management system at least **three times per week** and spend approximately **8-10 hours** per week to successfully complete the course. This is the equivalent of a student attending a 4 hour per week traditional course plus 6 hours of homework and reading assignments.

### Attendance/Exclusion Policy/LACCD Enrollment Limit

Active participation in an online course is equivalent to attendance in a traditional course. Students are expected to login to the course in Canvas at least **three times** per week and complete all assigned work **on time**. Students who do not login to Canvas for **more than 7 days** **may be excluded** from the course. Students themselves are responsible for **officially** dropping a class they no longer attend.

If you stop attending a class (or wish to drop a class), please **officially drop** the class **yourself** on or before **November 20, 2017** (by Internet only). Failure to drop the class in a timely manner may result in an "F" in the class.

There is a new state policy in effect since 2012 that limits students to **three attempts per course**. The new three attempt limit considers grades and withdrawals ("W"). Three attempts would include any of the following combinations: "W," "D," "F," "NC," or "NP." Students will not be allowed to register for any course within the LACCD if there are three recorded attempts for that same course.

### Cheating

Any form of academic dishonesty will not be tolerated. If caught, you will be given a zero for the exam, quiz, lab or assignment. The event will be reported to the department chair who will forward the report to the Vice President of Student Services for disciplinary action, which may include suspension or expulsion.

### Collaboration Policy

**Students are responsible for completing and submitting their own assignments.** Students are encouraged to work together, but all students are expected to complete and submit their own assignments. Students who submit duplicate files (regardless of who completed the work) will receive no credit.

## Course Communication Policy

Questions about the course material should be posted in the **Help/Questions** discussion forum so that the entire class can see both the question and response. Students may attempt to answer class related questions posted by other students to the best of their knowledge. I monitor all discussion forums regularly and will make any necessary additions.

Students who need to contact me with personal questions or concerns (such as their grade) may reach me by phone **(818) 364-7600**, extension **4413**, via email, [garciacr@lamission.edu](mailto:garciacr@lamission.edu) or via Canvas private message. I respond to voicemail and email within **24 hours**, during the hours of **9:00 am to 7:00 pm, Monday through Friday**. Please assume I did not receive your email/voicemail and attempt to contact me again if you do not hear from me within 24 hours.

## Late Work Policy

Assignments will be made available to students one to two weeks before they are due. A **two-day grace period** will be provided for assignments, labs and quizzes. For example, assignments due Sunday may be submitted by the following Tuesday if needed. The two-day grace period does not apply to discussion forums. Please plan your time accordingly as **late assignments (after the two-day grace period) will not be accepted** under any circumstances. Computer problems and/or Internet connectivity issues will not excuse late assignments. Students are highly encouraged to complete and submit assignments early. Completing assignments early allow students to receive needed help and will prevent students from not being able to submit assignments due to last minute computer problems. **Please contact me immediately if you are having problems completing your assignments on time or if you will be unable to access the course web site.**

## Participation

Student participation is a critical component for success in this course. Students are expected to login to the course in Canvas at least **3 times per week** and participate actively in all assigned activities. There will be one weekly discussion forum for each chapter in TestOut Security Pro LabSim.

Students are responsible for contributing two posts in a chapter discussion forum by Sunday (11:59 pm) each week. Each post completed before the 11:59 pm deadline will earn 5 points. Posts made after the 11:59 pm deadline will earn no points. **Please complete your posts early each week so that we can engage in discussion.** Completing your posts on the due date does not provide time for student interaction.

**Your posts must add to the discussion.** Posts can answer any of the provided questions or may start a new discussion topic. **Please include the question and answer if adding new topics/posts.** Posts that do not contribute to the discussion such as "Thank you," "This was helpful," "I will try this," "This helped me learn" or "I agree!" will not be graded. Posts that duplicate content (*such as repeating the answer posted by another student*) will receive no credit. **Posts submitting chapter related questions should also include an answer.** Questions submitted without an answer will receive no credit. This is to prevent students from posting last minute questions as an attempt to receive credit.

## Grades

Grades will be distributed as follows.

### Grade Distribution:

1. Assignments	<b>10%</b>
2. Discussion	<b>20%</b>
3. Quizzes	<b>20%</b>
4. LabSim Security Pro Labs	<b>30%</b>
5. Final Exam	<b>20%</b>

### Grading Scale:

<b>A</b>	90% - 100%
<b>B</b>	80% - 89.99%
<b>C</b>	70% - 79.99%
<b>D</b>	60% - 69.99%
<b>Fail</b>	Below 60%

**Grades will not be adjusted/rounded up. 89.99% will receive a B. 79.99% will receive a C.**

## Course Schedule

Module	Material Covered	Quizzes
Module 1 08/28 – 09/03	Course Introduction/Requirements/ Expectations TestOut Security Pro LabSim Introduction <b>About This Course</b> module in Canvas  TestOut <b>Security Pro</b> LabSim • <b>Chapter 1</b> – Introduction	
Module 2 09/04 – 09/10	TestOut <b>Security Pro</b> LabSim • <b>Chapter 2</b> – Access Control and Identity Management	
Module 3 09/11 – 09/17	TestOut <b>Security Pro</b> LabSim • <b>Chapter 2</b> – Access Control and Identity Management	Quiz 1, Chapters 1-2
Module 4 09/18 – 09/24	TestOut <b>Security Pro</b> LabSim • <b>Chapter 3</b> – Cryptography	
Module 5 09/25 – 10/01	TestOut <b>Security Pro</b> LabSim • <b>Chapter 4</b> – Policies, Procedures, and Awareness	
Module 6 10/02 – 10/08	TestOut <b>Security Pro</b> LabSim • <b>Chapter 4</b> – Policies, Procedures, and Awareness	Quiz 2, Chapters 3-4
Module 7 10/09 – 10/15	TestOut <b>Security Pro</b> LabSim • <b>Chapter 5</b> – Physical Security	
Module 8 10/16 – 10/22	TestOut <b>Security Pro</b> LabSim • <b>Chapter 6</b> – Perimeter Defenses	
Module 9 10/23 – 10/29	TestOut <b>Security Pro</b> LabSim • <b>Chapter 6</b> – Perimeter Defenses	Quiz 3, Chapters 5-6
Module 10 10/30 – 11/05	TestOut <b>Security Pro</b> LabSim • <b>Chapter 7</b> – Network Defenses	
Module 11 11/06 – 11/12	TestOut <b>Security Pro</b> LabSim • <b>Chapter 8</b> – Host Defenses	Quiz 4, Chapters 7-8
Module 12 11/13 – 11/19	TestOut <b>Security Pro</b> LabSim • <b>Chapter 9</b> – Application Defenses	
Module 13 11/20 - 11/26	TestOut <b>Security Pro</b> LabSim • <b>Chapter 10</b> – Data Defenses	
Module 14 11/27 - 12/03	TestOut <b>Security Pro</b> LabSim • <b>Chapter 11</b> – Assessments and Audits	Quiz 5, Chapters 9-11
Module 15 12/04 - 12/10	TestOut <b>Security Pro</b> LabSim • <b>Practice Exams</b>	Practice Tests All Chapters
Module 16 12/11 - 12/17	Final Exam	<b>Security Pro Certification Exam</b>