Information Security (CompTIA Security+)
ITYS-1400-63400
Spring-2016
January 20, 2016 - May 12, 2016

Professor: Rodney Jackson
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Contact Hours: M-W. 4:30PM to 5:30PM
Meeting Days & Time: TBD

Room Number: TBD
Credit Hours: 4
Division: Career and Technical Education (CATE)
Office Hours: TBA
Office Phone: 214-860-8848
Office Location: W-210

Course Description:
This course is designed to equip learners with the knowledge and skills needed to be secure IT professionals.

Course Pre-requisites:
None

WECM Statement: Workplace Competencies
Mountain View College is determined to prepare you with the knowledge and skills you need to succeed in today's dynamic work environment. Towards this goal, these workplace competencies and foundation skills have been designed into the curriculum for this course: Upon completion of this course students will be able to:

- **Manage Resources:** Time/Staff
- **Exhibit Interpersonal Skills:** Work in teams/Teach others/Serve customers/Lead work teams/Negotiate with others
- **Work with Information:** Acquire and evaluate data/Organize and maintain information/Interpret and communicate data
- **Apply Systems Knowledge:** Work within social systems/Work within organizational systems/Monitor and correct system performance

Course Materials/Supplies Needed

Core Objectives:
Upon completion of this course, students and professionals who want to master basic information security will have the tools and knowledge to seek CompTIA Security+ certification exam SY0-401.
Student Learning Outcomes
After successful completion of this course the student should be able to:
1. Identify, define and illustrate important concepts in information security.
2. Define information security terminology and use it in proper context.
3. Apply currently accepted theories and methods to the solution of common types of problems related to information security.
4. Identify and discuss important issues in the study of information security.
5. Examine the global implications of information security.
6. Improve written and technical communication skills as they relate to the study of information security.
7. Perceive relationships not immediately apparent in a problem situation and develop innovative solutions to such unstructured problems. In developing these solutions, students should be able to identify and employ the appropriate research, writing and technical skills.

Course Outline:
Chapter 1. Introduction to Security
Chapter 2. Malware and Social Engineering Attacks
Chapter 3. Application and Networking-Based Attacks
Chapter 4. Host, Application, and Data Security
Chapter 5. Basic Cryptography
Chapter 6. Advanced Cryptography
Chapter 7. Network Security Fundamentals
Chapter 8. Administering a Secure Network
Chapter 9. Wireless Network Security
Chapter 10. Mobile Device Security
Chapter 11. Access Control Fundamentals
Chapter 12. Authentication and Account Management
Chapter 13. Business Continuity
Chapter 14. Risk Mitigation
Chapter 15. Vulnerability Assessment

Instructor Attendance Policy:
Students are expected to attend all classes. Students have the responsibility to attend class and to consult with the instructor when an absence occurs. If for some reason you must leave class early, you should inform the instructor prior to the start of class of your reason for leaving early.

Students must begin attendance in all classes of enrollment. No exceptions. Financial Aid will not be granted to students who have been certified as not attending, by the certification date. For this lecture course, your physical participation in class, on or before the certification date will allow you to receive credit for FA purposes. For certification dates, check with the division or FAO for further information. Students, who are not certified as beginning class, are responsible for any payments due as a result of non-certification, to include the dropping of courses.

Evaluation Procedures:
The course grade is the average of all grades: scheduled tests, case analysis, discussion questions and projects. The instructor reserves the right to modify the course requirements, assignments, grading procedures, and other policies as circumstances may dictate.
Grading Scale:
90 to 100 = A 80 to 89 = B 70 to 79 = C 60 to 69 = D 0 to 59 = F

Grades are weighted as follows:

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quizzes (30 points, Weeks 1-15)</td>
<td>450</td>
</tr>
<tr>
<td>Labs (100 points, 1-31)</td>
<td>3100</td>
</tr>
<tr>
<td>Final Exam (Week 16)</td>
<td>600</td>
</tr>
</tbody>
</table>

Final Exam:
Questions 100 * 6 = 600
Duration 3.5 Hours

Final Course Grade Calculation:
Total Points Earned / Total Points  Example: 3450 / 4150 = 83.1

Late Work Policy:
LATE WORK IS NOT ACCEPTED

Makeup Exam Policy: TBD

Certification Procedures: (For Online Courses)
For State reporting purposes, this on-line course will capture participation data. The student must log onto eCampus and access the course content to meet certification requirements and complete the on-line syllabus quiz by cited due date. During spring 2016 the census date is February 2, 2016.

Withdrawal Policy
The withdraw date for this class is April 14, 2016.
If you find that you are unable to complete the course, it is your responsibility to withdraw. I am required to take attendance. The last day to drop with a grade of “W” is April 14, 2016. To drop a class or withdraw from the college, students must obtain a drop or withdrawal form from the Registrar’s office and follow the prescribed procedure. It is the student’s responsibility to drop a class; faculty members cannot initiate the process. Should circumstances prevent a student from appearing in person to withdraw, the student may withdraw through correspondence to the Registrar’s Office. Drop and withdrawal requests are not accepted by telephone. If a student simply quits coming to class and does not drop, a performance grade will be awarded (usually an "F"). Please talk to the instructor before you drop the class to see if there is any other option.

Academic Dishonesty:
Students that caught plagiarizing an assignment will be subject to an “F” in the course and possible expulsion from the college.

Academic honesty is expected, and integrity is valued in the Dallas County Community Colleges. Scholastic dishonesty is a violation of the Code of Student Conduct. Scholastic dishonesty includes, but is not limited to,
cheating on a test, plagiarism, and collusion. As a college student, you are considered a responsible adult. Your enrollment indicates acceptance of the DCCCD Code of Student Conduct published in the DCCCD Catalog. More information is available at https://www1.dcccd.edu/catalog/ss/code.cfm.

Institution Policies: Please visit http://www.mountainviewcollege.edu/Academics/Documents/Institutional%20Policies.pdf for a complete list of institutional policies (Stop Before You Drop; Withdrawal Policy; Repeating a Course; Financial Aid; Academic Dishonesty; Americans with Disabilities Act Statement; Religious Holidays; and Campus Emergency Operation Plan and Contingency Plan.).

Disclaimer Reserving Right to Change Syllabus: The instructor reserves the right to amend this syllabus as necessary which may include the right to modify the course requirements, assignments, grading procedures, and other policies as circumstances may dictate.

Due Dates for all Assignments and Final Exam:
- MIDNIGHT MAY 12, 2016

Student Registration - Getting Started with Blackboard MindTap

1. Login to your Blackboard account, click into your course.
2. Click on the Cengage module.
3. Click the blue Cengage link.

4. A new window will display. You have 3 options. This window will not display if you have pop-up blockers enabled. **YOU WILL ONLY COMPLETE THIS PROCESS ONCE.**
   a. Login with an existing account by entering your username and password.
   b. Create a new account by clicking “Don’t have an Account.”
c. Click “Not Now” and complete the account login process at another time. You will be able to access your Cengage content in your Blackboard course if you don’t complete this process. Every time, you login to the Cengage content in Blackboard, you will see this screen, until you complete the process once. You can use MindTap for 21 days before you have to enter an access code.

5. If you are creating an account, you will complete this information. When you click on password, you will see the format required. Click to accept the service agreement. After entering all the information, click Create My Account.

6. You will see an Account Verification message, then you will be re-directed to login with the account you just created.
7. The next screen will display your textbook and 2 options. If you have your access code, enter it or click “go to my course.” If you click “go to my course”, you will have 21 days to use the product before you have to purchase an access code.
8. After you enter an access code or click “go to my course”, you will see your Cengage technology product.

9. If you have any problems, you can click the Cengage Technical Support link that will display in your Blackboard course.

10. If you don’t see this link, you can navigate to Cengage.com/support and create a ticket for assistance. Once you create the ticket, call one of these numbers depending on your technical issue.

   a. Students should press 5 and then press 1 to get help.
   b. If the student is *actually* having a technical issue but called this number by mistake, the Customer Service rep will transfer them to Technical Support.

12. Students with other technical issues (such as a video not loading or an assignment not allowing them to submit) should call Course Care (aka Tech Support) at 800-990-8211.
   a. They will get a live person as soon as someone is available.
   b. If the student is *actually* having a first-time access / registration issue, TS will transfer them to Customer Service.

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**Student Registration - Getting Started with Blackboard LabConnection**

1. Click into the LabConnection link.

2. You will need to create a Cengage Brain account or login to an existing account. If you created a CengageBrain account for MindTap, you will use those credentials to login.
3. Enter your access code. LabConnection does not have a grace period.

4. After you have entered your access code, you will see the book loaded to your desktop. Click open.

5. Click on Activate Product, enter your class code, click submit.
Previously activated class products:
No class products are activated

Do you have a new Class Code?

Enter the new class code below, then click 'Submit', to enroll in the new class.

SEC1400SP16  Submit