



TENTATIVE—SUBJECT TO CHANGE

**CIST2613 Hacking and Penetration Testing
COURSE SYLLABUS
Online
Spring Semester 2021 (202114)**

COURSE INFORMATION

Credit Hours/Minutes: **4/4500**

Class Location: **Georgia Virtual Technical Connection (GVTC)/Blackboard/Cengage Mindtap**

Class Meets: **Via Internet for 15 weeks**

Course Reference Number (CRN): **40067**

Preferred Method of Contact: **STC Email [John Taylor \(jtaylor@southeasterntech.edu\)](mailto:jtaylor@southeasterntech.edu)**

INSTRUCTOR CONTACT INFORMATION

Instructor Name: **Mr. John Taylor**

Email Address: **[John Taylor \(jtaylor@southeasterntech.edu\)](mailto:jtaylor@southeasterntech.edu)**

Campus/Office Location: **Vidalia Campus, Room 810 Gillis Building**

Office Hours: **2:00 PM – 4:30 PM Monday - Thursday**

Phone: **(912) 538-3116**

Fax Number: **(912) 538-3106**

Tutoring Hours: **Made by appointment with instructor**


This course is taught in an online format. Online classes require students to complete all of the required contact hours by completing all assignments online at the student's convenience with respect to the instructor's requirements.

SOUTHEASTERN TECHNICAL COLLEGE'S (STC) CATALOG AND HANDBOOK

Students are responsible for all policies and procedures and all other information included in Southeastern Technical College's [Catalog and Handbook \(http://www.southeasterntech.edu/student-affairs/catalog-handbook.php\)](http://www.southeasterntech.edu/student-affairs/catalog-handbook.php).

REQUIRED TEXT

Student can purchase a 1 semester, 1 year or 2 year access key cost for all Cengage books and products from the [Southeastern Technical College bookstore \(stcbookstore@southeasterntech.edu\)](mailto:stcbookstore@southeasterntech.edu), **912-538-3129** or online at www.cengagebrain.com. Students can rent a book from the website and then ship it back after completion for \$7.99.

Book Image	Book Information
	<p>Hands-On Ethical Hacking and Network Defense 3rd Edition</p> <p>ISBN-13: 9781285454610</p> <p>©2017 • Cengage Learning</p> <p>Cengage Mindtap (Digital Course Material) required</p> <p>ISBN-13: 9781337271721</p> <p>See Ordering Information below.</p>

Cengage Unlimited online book *Hands-on Ethical Hacking and Network Defense, Third Edition, with Mindtap* Student will click the Blackboard course link under Lessons – Beginning Information in the Blackboard course, setup their Cengage account or use previously made account and enter the Cengage unlimited access key. Student will setup their Cengage account using their STC student email address and login. Students can use the 14 free trial until they have purchased the access code. **Highly recommend** purchasing the \$7.99 rental book from the Cengage Unlimited.

REQUIRED SUPPLIES & SOFTWARE

Internet Access is required.

Note: Although students can use their smart phones and tablets to access their online course(s), exams, discussions, assignments, and other graded activities should be performed on a personal computer. Neither Blackboard nor Georgia Virtual Technical Connection (GVTC) provide technical support for issues relating to the use of a smart phone or tablet so students are advised to not rely on these devices to take an online course.

Students should not share login credentials with others and should change passwords periodically to maintain security.

COURSE DESCRIPTION

This course teaches students the skills needed to obtain entry-level security specialist jobs. It provides a hands-on introduction to ethical hacking, and penetration testing. It is for individuals who want to enhance their information security skill set and help meet the growing demand for security professionals. Topics include network and computer attacks, footprinting and social engineering, port scanning, enumeration, OS vulnerabilities, hacking web servers, hacking wireless networks, cryptography and network protection systems.

MAJOR COURSE COMPETENCIES

Network and Computer Attacks, Footprinting and Social Engineering, Port Scanning, Enumeration, OS Vulnerabilities, Hacking Web Servers, Hacking Wireless Networks, and Cryptography.

PREREQUISITE(S)

CIST 1601 - Information Security Fundamentals

COURSE OUTLINE

Course Outline

1. Network and Computer Attacks

Order	Description
1	Understand the different types of malicious software and what damage they can do.
2	Describe the methods of protecting against network attacks.
3	Identify physical security attacks and vulnerabilities.

2. Footprinting and Social Engineering

Order	Description
1	Perform footprinting using web tools.
2	Conduct competitive intelligence.
3	Describe DNS zone transfers.
4	Identify the types of social engineering.

3. Port Scanning

Order	Description
1	Describe port scanning and types of port scanning.
2	Describe port scanning tools.
3	Perform ping sweeps.
4	Perform automated security tasks using shell scripts.

4. Enumeration

Order	Description
1	Describe the enumeration step of security testing.
2	Enumerate Windows OS targets.
3	Enumerate Linux OS targets.

5. OS Vulnerabilities

Order	Description
1	Describe the vulnerabilities of Windows and Linux operating systems.
2	Perform vulnerability patching.
3	Describe the techniques to harden OS systems.

6. Hacking Web Servers

Order	Description
1	Describe Web applications.
2	Explain Web application vulnerabilities.
3	Perform Web server attack using security tools.

7. Hacking Wireless Networks

Order	Description
1	Understand wireless technologies.
2	Describe wireless networking standards.
3	Describe the process of wireless authentication.

Course Outline

- 4 Perform wireless hacking using security tools.

8. Cryptography

Order	Description
1	Understand the principals of cryptography.
2	Describe symmetric and asymmetric encryption algorithms.
3	Perform cryptosystem attacks.

GENERAL EDUCATION CORE COMPETENCIES

Southeastern Technical College has identified the following general education core competencies that graduates will attain:

1. The ability to utilize standard written English.
2. The ability to solve practical mathematical problems.
3. The ability to read, analyze, and interpret information.

STUDENT REQUIREMENTS (ONLINE)

Students are expected to complete all work shown on the attached lesson plan. Students are also expected to complete all tests and comprehensive problems on the dates specified on the lesson plan. Assignments will be saved **via the Mindtap and Blackboard learning system**. Assignments are given with numerous days to complete; therefore, **no assignment will be accepted late. After the due date a grade of zero will be given.**

Exceptions to the due dates of assignments due to jury duty, military duty, court duty, or required job training will be made at the discretion of the instructor. Students are responsible for policies and procedures included in the Southeastern Technical College (STC) *Catalog and Handbook*.

Program students must earn a minimum grade of C in this course. Unannounced quizzes/assignments may be given. Late assignments will not be accepted. Students who miss any assignment, quiz, test, project, or discussion board will receive a grade of 0.

Students are expected to prove weekly academic engagement by meeting assignment deadlines each week and spending enough time during the semester doing the required homework, quizzes, and tests. Students are expected to communicate frequently through college email and discussion boards. College email is accessed at <https://portal.office.com>, under Quick links on our webpage, or in the menu of your Blackboard course.

DISCUSSION BOARD TOPICS

Discussions must be appropriate to the class. Spelling and Grammar are considered part of the grade. Posted content should fully answer the question. Short 1 to 2 sentence posts will not be sufficient. See Discussion Board rubric below. **Be sure to complete your initial post by Monday of the following week and all replies by the Wednesday due date. Both post and peer replies are required for full credit. See Discussion Topic Grading Rubric for more details.**

EMAILS

Preferred method of communication should be through student MAIL. Make sure that you always type your name and class in the subject line of every email you send me so I know which class you are in. For example:
CIST 2613 Taylor

Students are expected to communicate frequently through college email and discussion boards. College email is accessed at <https://portal.office.com>, under Quick links on our webpage, or in the menu of our Blackboard

course.

CHECKING GRADES

A grade book is made available in the BLACKBOARD course on the main page by clicking the MY GRADES link when students log in. This grade book is for students to review and is continuously updated throughout the semester. Students can view their grades at any time to see the individual grades for each assignment. The overall percentage averages should display in the grade book to help track course progress.

NO HARM NO FOUL POLICY

It is the student's responsibility to drop courses during the first three days by completing a withdrawal form with a Counselor in Student Affairs. If a student comes to class during the **first three days** or any day during this time, the student will be dropped with no penalty **only if** they have completed the Withdrawal Form with Student Affairs by the close of business on the third business day of the quarter. **The student must formally withdraw from classes in order to receive the no harm-no foul benefit.**

COVID-19 MASK REQUIREMENT

Masks or face coverings must be worn at all times while on the campus of Southeastern Technical College. This measure is being implemented to reduce COVID-19 related health risks for everyone engaged in the educational process. Masks or face coverings must be worn over the nose and mouth, in accordance with the Centers for Disease Control and Prevention (CDC). A student's refusal to wear a mask or face covering will be considered a classroom disruption and the student may be asked to leave campus and/or receive further discipline.

COVID-19 SIGNS AND SYMPTOMS

We encourage individuals to monitor for the signs and symptoms of COVID-19 prior to coming on campus.

If you have experienced the symptoms listed below or have a body temperature 100.4°F or higher, we encourage you to self-quarantine at home and contact a primary care physician's office, local urgent care facility, or health department for further direction. Please notify your instructor(s) by email and do not come on campus for any reason.

COVID-19 Key Symptoms
Fever or felt feverish
Cough: new or worsening, not attributed to another health condition
Shortness of breath, not attributed to another health condition
New loss of taste or smell
Chills; Repeated shaking with chills
Sore throat, not attributed to another health condition
Muscle pain, not attributed to another health condition or exercise
Headache, not attributed to another health condition
Diarrhea (unless due to known cause)
In the past 14 days, if you:
Have had close contact with or are caring for an individual diagnosed with COVID-19 at home (not in healthcare setting), please do not come on campus and contact your instructor (s).

COVID-19 SELF-REPORTING REQUIREMENT

Students taking classes on campus, who test positive for COVID-19 or who have been exposed to a COVID-19 positive person, are required to self-report using the [COVID 19 Health Reporting Form](#). Report all positive cases of COVID-19 to your instructor and [Stephannie Waters](#), Exposure Control Coordinator, swaters@southeasterntech.edu, 912-538-3195.

ONLINE ATTENDANCE

It is the student's responsibility to be academically engaged each week doing course related activities. The completion dates of these activities will be used to determine a student's last date of attendance in the event a student withdraws, stops attending, or receives an "F" (Failing 0-59) in a course.

Students will not be withdrawn by an instructor for attendance; however, all instructors will keep records of graded assignments and student participation in course activities. Students will be expected to complete all work required by the instructor as described in the individual course syllabus.

Students will have at least one week to complete tests and assignments. All tests and assignments are due at 11:59PM on Wednesday of the following week. Exceptions to the due dates of assignments due to jury duty, military duty, court duty, or required job training will be made at the discretion of the instructor.

STUDENTS WITH DISABILITIES

Students with disabilities who believe that they may need accommodations in this class based on the impact of a disability are encouraged to contact the appropriate campus coordinator to request services.

Swainsboro Campus: [Macy Gay](#) mgay@southeasterntech.edu, 478-289-2274, Building 1, Room 1210

Vidalia Campus: [Helen Thomas](#) hthomas@southeasterntech.edu, 912-538-3126, Building A, Room 165

SPECIFIC ABSENCES

Provisions for Instructional Time missed because of documented absences due to jury duty, military duty, court duty, or required job training will be made at the discretion of the instructor.

PREGNANCY

Southeastern Technical College does not discriminate on the basis of pregnancy. However, we can offer accommodations to students who are pregnant that need special consideration to successfully complete the course. If you think you will need accommodations due to pregnancy, please make arrangements with the appropriate campus coordinator.

Swainsboro Campus: [Macy Gay](#) mgay@southeasterntech.edu, 478-289-2274, Building 1, Room 1210

Vidalia Campus: [Helen Thomas](#) hthomas@southeasterntech.edu, 912-538-3126, Building A, Room 165

It is strongly encouraged that requests for consideration be made **PRIOR** to delivery and early enough in the pregnancy to ensure that all the required documentation is secured before the absence occurs. Requests made after delivery **MAY NOT** be accommodated. The coordinator will contact your instructor to discuss accommodations when all required documentation has been received. The instructor will then discuss a plan with you to make up missed assignments.

WITHDRAWAL PROCEDURE

Students wishing to officially withdraw from a course(s) or all courses after the drop/add period and prior to the 65% point of the term in which student is enrolled (date will be posted on the school calendar) must speak with a Career Counselor in Student Affairs and complete a Student Withdrawal Form. A grade of "W" (Withdrawn) is assigned for the course(s) when the student completes the withdrawal form.

Important – Student-initiated withdrawals are not allowed after the 65% point. After the 65% point of the term in which student is enrolled, the student has earned the right to a letter grade and will receive a grade for the course. Please note: Abandoning a course(s) instead of following official withdrawal procedures may result in a grade of “F” (Failing 0-59) being assigned.

Informing your instructor that you will not return to his/her course, does not satisfy the approved withdrawal procedure outlined above.

There is no refund for partial reduction of hours. Withdrawals may affect students’ eligibility for financial aid for the current semester and in the future, so a student must also speak with a representative of the Financial Aid Office to determine any financial penalties that may be assessed due to the withdrawal. A grade of “W” will count in attempted hour calculations for the purpose of Financial Aid.

PROCTORED EVENT REQUIREMENT

In order to validate student identity for all online courses, students enrolled in online courses are **required** to complete one proctored event per online course. The proctored event will be administered on separate days—once on the Vidalia campus and once on the Swainsboro campus. Students must attend one of the proctored sessions as scheduled on the Lesson Plan/Course Calendar. The event will be monitored by the instructor or by an approved proctor. The proctored event may be a major exam, assignment, or presentation, etc. that will count a minimum of 20% of the course grade. Students must attend one of the scheduled proctored sessions and will need to make arrangements with work, childcare, etc. The specific dates of the proctored event are scheduled on the Lesson Plan/Calendar for the online course.

Students living farther than 75 miles from either campus who cannot come to Southeastern Tech for the event must secure an approved proctoring site. The site and the proctor must meet Southeastern Technical College's requirements (instructor will provide more information and necessary forms if this is the case). Note: Students taking proctored events off campus will utilize the Proctor Scheduling and Approval Form found in Blackboard within the Getting Started/Start Here and Proctoring Event area. The completed form should be submitted to the course instructor a minimum of two weeks prior to the proctored event. If approved, the instructor will notify the proctor.

Students arranging off-campus proctoring must take the event on one of the-originally scheduled days. Students who do not complete the proctored event as scheduled must submit a valid documented excuse within three business days after the scheduled event. If the excuse is approved by the instructor of the course, students must make arrangements with the instructor to makeup/reschedule the missed event. The penalty and makeup instructions will be at the instructor’s discretion. Proctored events will be given after the 65% point of the semester.

Students who do not complete the proctored event on the scheduled date and do not present a valid documented excuse within three business days of the scheduled event will be withdrawn from the course with a “WF” (Withdrawn Failing). If the proctored event is scheduled during final exams, any student who misses the proctored event will be issued an “F” (Failing) for the course.

PROCTORING FEES

Students are not charged a proctoring fee when taking a proctored event at Southeastern Technical College or any other TCSG college. Students who choose to use an off-campus proctor may be assessed a proctoring fee by the proctoring site. In this instance, the student is responsible for payment.

The required proctored event for this class is scheduled on the following dates and times:

Vidalia, April 28, 3:00 PM Gillis Building Room 812 or Swainsboro, April 29, 2:00 PM Building 2 Room 2106

MAKEUP GUIDELINES (TESTS, QUIZZES, HOMEWORK, PROJECTS, ETC.)

Students are required to take all tests scheduled during the semester. Failure to take Tests/Exam(s), and assignments will result in a grade of zero. There will be no makeup of assignments or EXAMS. If Internet or browser failure occurs, contact instructor immediately. A decision will be made at that time if the assignment/exam will be reset. Instructor reserves the right to deduct points from the scores for exceeding the scheduled time limit on the assignment/exam. Note: If student notifies instructor about problems because of technical issues after the due date or on the last day of the semester, the student will NOT be allowed to make-up the assignment. No exceptions! Assignments must be turned in on the assigned date and will not be accepted late, a grade of zero will be given. All Assignments are due according to the lesson plan. The due dates are posted on the lesson plan. Weeks start on Monday and end on Sunday with **assignments due on Wednesday at 11.59 PM** of the following week. See Lesson Plan. Makeups are not allowed for unannounced quizzes/assignments.

ACADEMIC DISHONESTY POLICY

The Southeastern Technical College Academic Dishonesty Policy states that all forms of academic dishonesty, including but not limited to cheating on tests, plagiarism, collusion, and falsification of information, will call for discipline. The policy can also be found in the Southeastern Technical College Catalog and Handbook.

PROCEDURE FOR ACADEMIC MISCONDUCT

The procedure for dealing with academic misconduct and dishonesty is as follows:

1. First Offense

Student will be assigned a grade of "0" for the test or assignment. Instructor keeps a record in course/program files and notes as first offense. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus. The Registrar will input the incident into Banner for tracking purposes.

2. Second Offense

Student is given a grade of "WF" (Withdrawn Failing) for the course in which offense occurs. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus indicating a "WF" has been issued as a result of second offense. The Registrar will input the incident into Banner for tracking purposes.

3. Third Offense

Student is given a grade of "WF" for the course in which the offense occurs. The instructor will notify the student's program advisor, academic dean, and the Registrar at the student's home campus indicating a "WF" has been issued as a result of third offense. The Vice President for Student Affairs, or designee, will notify the student of suspension from college for a specified period of time. The Registrar will input the incident into Banner for tracking purposes.

STATEMENT OF NON-DISCRIMINATION

The Technical College System of Georgia (TCSG) and its constituent Technical Colleges do not discriminate on the basis of race, color, creed, national or ethnic origin, gender, religion, disability, age, political affiliation or belief, genetic information, disabled veteran, veteran of the Vietnam Era, spouse of military member, or citizenship status (except in those special circumstances permitted or mandated by law). This nondiscrimination policy encompasses the operation of all technical college-administered programs, federally financed programs, educational programs and activities involving admissions, scholarships and loans, student

life, and athletics. It also applies to the recruitment and employment of personnel and contracting for goods and services.

All work and campus environments shall be free from unlawful forms of discrimination, harassment and retaliation as outlined under Title IX of the Educational Amendments of 1972, Title VI and Title VII of the Civil Rights Act of 1964, as amended, the Age Discrimination in Employment Act of 1967, as amended, Executive Order 11246, as amended, the Vietnam Era Veterans Readjustment Act of 1974, as amended, Section 504 of the Rehabilitation Act of 1973, as amended, the Americans With Disabilities Act of 1990, as amended, the Equal Pay Act, Lilly Ledbetter Fair Pay Act of 2009, the Georgia Fair Employment Act of 1978, as amended, the Immigration Reform and Control Act of 1986, the Genetic Information Nondiscrimination Act of 2008, the Workforce Investment Act of 1998 and other related mandates under TCSG Policy, federal or state statutes.

The Technical College System and Technical Colleges shall promote the realization of equal opportunity through a positive continuing program of specific practices designed to ensure the full realization of equal opportunity.

The following individuals have been designated to handle inquiries regarding the nondiscrimination policies:

<p>American With Disabilities Act (ADA)/Section 504 - Equity- Title IX (Students) – Office of Civil Rights (OCR) Compliance Officer</p>	<p>Title VI - Title IX (Employees) – Equal Employment Opportunity Commission (EEOC) Officer</p>
<p>Helen Thomas, Special Needs Specialist Vidalia Campus 3001 East 1st Street, Vidalia Office 165 Phone: 912-538-3126 Email: Helen Thomas hthomas@southeasterntech.edu</p>	<p>Lanie Jonas, Director of Human Resources Vidalia Campus 3001 East 1st Street, Vidalia Office 138B Phone: 912-538-3230 Email: Lanie Jonas ljonas@southeasterntech.edu</p>

ACCESSIBILITY STATEMENT

Southeastern Technical College is committed to making course content accessible to individuals to comply with the requirements of Section 508 of the Rehabilitation Act of Americans with Disabilities Act (ADA). If you find a problem that prevents access, please contact the course instructor.

GRIEVANCE PROCEDURES

Grievance procedures can be found in the Catalog and Handbook located on Southeastern Technical College’s website.

ACCESS TO TECHNOLOGY

Students can now access Blackboard, Remote Lab Access, Student Email, Library Databases (Galileo), and BannerWeb via the mySTC portal or by clicking the Current Students link on the [Southeastern Technical College \(STC\) Website \(www.southeasterntech.edu\)](http://www.southeasterntech.edu).

TECHNICAL COLLEGE SYSTEM OF GEORGIA (TCSG) GUARANTEE/WARRANTY STATEMENT

The Technical College System of Georgia guarantees employers that graduates of State Technical Colleges shall possess skills and knowledge as prescribed by State Curriculum Standards. Should any graduate employee within two years of graduation be deemed lacking in said skills, that student shall be retrained in any State Technical College at no charge for instructional costs to either the student or the employer.

GRADING POLICY

Assessment/Assignment	Percentage
Discussions	15%
Quizzes	20%
Labs	25%
Tests	20%
Final Exam	20%

GRADING SCALE

Letter Grade	Range
A	90-100
B	80-89
C	70-79
D	60-69
F	0-59

Grade of D or below results in student repeating the class

DISCLAIMER STATEMENT

Instructor reserves the right to change the syllabus and/or lesson plan as necessary.

The official copy of the syllabus is located inside the student's online course shell. The syllabus displayed in advance of the semester in a location other than the course you are enrolled in is for planning purposes only.

Discussion Board Grading Rubrics:

# of discussion posts	# of discussion replies	Grade	Due Date, Length, Grammar and Spelling Requirements
1	1	100	Students who post their initial discussion board response to the discussion board topic and reply to at least one other student's post will be given a 100 on the assignment <u>if</u> the post is turned in by the due date, contain 4-5 sentences and free of grammatical and spelling errors. The student will receive a two point deduction for each grammatical and spelling error in both their response and reply. A 10 point deduction will be given for any response or reply that is not 4-5 sentences in length. No credit will be given for any response or reply that is simply an answer of "yes/no" or "I agree/disagree." Replying to your own post is NOT considered a reply.
1	0	70	Any student that does not respond to at least one other student's post will not receive a grade above 70. The grade of 70 will be the highest grade that the student will be able to receive on the discussion post if the post is turned in by the due date, contain 4-5 sentences and free of grammatical errors and spelling errors. The student will receive a one point deduction for each grammatical and spelling error in their response. A 10 point deduction will be given for any response that is not 4-5 sentences in length. No credit will be given for any response or reply that is simply an answer of "yes/no" or "I agree/disagree." Replying to your own post is NOT considered a reply.
0	1	50	Students who only respond to one other student's post will not receive a grade above 50. The grade of 50 will be the highest grade that the student will be able to receive on the discussion response if the response is turned in by the due date, contain 4-5 sentences and free of grammatical errors and spelling errors. The student will receive a one point deduction for each grammatical and spelling error in their reply. A 10 point deduction will be given for any reply that is not 4-5 sentences in length. No credit will be given for any response or reply that is simply an answer of "yes/no" or "I agree/disagree." Replying to your own post is NOT considered a reply.
0	0	0	Students will receive a 0 on the discussion topic if the student does not post an answer or response to one other students' post by the due date. No credit will be given for any response or reply that is simply an answer of "yes/no" or "I agree/disagree." Replying to your own post is NOT considered a reply.

CIST 2613 Ethical Hacking and Penetration Testing
LESSON PLAN
SPRING Semester 2021 (202114)

Key: Jan = January, Feb = February, Mar=March, Apr=April

Week/Date	Module	Content	Assignments & Test Due Dates	Competency Area
<p>Week 1 Jan 11 - 17</p>		<p>Class Introduction – Syllabi, Outline, Work Ethics, Rules, and Regulations Coverage</p> <p>Pre-Course Assessment and Virtual Lab Setup</p>	<p>Complete <u>Pledge, Student Introduction and Syllabus Quiz</u> on Blackboard. These 3 tasks must be completed no later than January 13, 2021 to remain in this class.</p> <p>Login to Blackboard and click on Lessons link and Setup Cengage account or verify you can log into your existing account to access this new MindTap course.</p> <p>Read and review sections: <i>Welcome to Your Course, Getting Started with MindTap,</i> and <i>Course Readiness Resources</i> in the Pre Assessments and Virtual Lab Setup section in MindTap.</p> <p>Complete the <u>Hands-On Ethical Hacking and Network Defense Pre-Assessment</u> in the Pre Assessments and Virtual Lab Setup section of MindTap.</p> <p>Read and review sections: <i>Getting Started with Live Virtual Machine Labs, Live Virtual Machine Lab User’s Guide,</i> and <i>Create a Bootable Kali USB Flash Drive</i> in the Pre Assessments and Virtual Lab Setup/Live Virtual Machine Lab setup folder in MindTap.</p> <p>Complete the <u>Live Virtual Machine Lab Prerequisite</u> in Mindtap course.</p>	<p>a,c</p>

Week 1 assignments must be completed and turned in before midnight Jan 20.

Week/Date	Module	Content	Assignments & Test Due Dates	Competency Area
Week 2 Jan 19 - 24	1	Ethical Hacking Overview	Read and complete all activities in Module 1 – Ethical Hacking Overview (MindTap). Complete LU01 Quiz (MindTap). Complete Ch1 – Test (Blackboard). Complete Discussion Topic 1 (Blackboard).	1 a,c

Week 2 assignments must be completed and turned in before midnight Jan 27.

Week/Date	Module	Content	Assignments & Test Due Dates	Competency Area
Week 3 Jan 25 - 31	2	TCP/IP Concepts Review	Read and complete all activities in Module 2 – TCP/IP Concepts Review (MindTap). Complete Labs for Module 2 (MindTap). Complete LU02 Quiz (MindTap). Complete Ch2 – Test (Blackboard).	1 a,c

Week 3 assignments must be completed and turned in before midnight Feb 3.

Week/Date	Module	Content	Assignments & Test Due Dates	Competency Area
Week 4 Feb 1 - 7	3	Network and Computer Attacks	Read and complete all activities in Module 3 – Network and Computer Attacks (MindTap). Complete Labs for Module 3 (MindTap). Complete LU03 Quiz (MindTap). Complete Ch3 – Test (Blackboard). Complete Discussion Topic 2 (Blackboard).	1 a,c

Week 4 assignments must be completed and turned in before midnight Feb 10.

Week/Date	Module	Content	Assignments & Test Due Dates	Competency Area
Week 5 Feb 8 - 14	4	Footprinting and Social Engineering	Read and complete all activities in Module 4 – Footprinting and Social Engineering (MindTap). Complete Labs for Module 4 (MindTap). Complete LU04 Quiz (MindTap). Complete Ch4 – Test (Blackboard).	1,2 a,c

Week 5 assignments must be completed and turned in before midnight Feb 17.

Week/Date	Module	Content	Assignments & Test Due Dates	Competency Area
Week 6 Feb 15 - 21	5	Port Scanning	Read and complete all activities in Module 5 – Port Scanning (MindTap). Complete Labs for Module 5 (MindTap). Complete LU05 Quiz (MindTap). Complete Ch5 – Test (Blackboard). Complete Discussion Topic 3 (Blackboard).	1,3 a,c

Week 6 assignments must be completed and turned in before midnight Feb 24.

Week/Date	Module	Content	Assignments & Test Due Dates	Competency Area
Week 7 Feb 22 - 28	6	Enumeration	Read and complete all activities in Module 6 – Enumeration (MindTap). Complete Labs for Module 6 (MindTap). Complete LU06 Quiz (MindTap). Complete Ch6 – Test (Blackboard).	1,4 a,c

Week 7 assignments must be completed and turned in before midnight Mar 3.

Week/Date	Module	Content	Assignments & Test Due Dates	Competency Area
Week 8 Mar 1 - 7	7	Programming for Security Professionals	Read and complete all activities in Module 7 – Programming for Security Professionals (MindTap). Complete Labs for Module 7 (MindTap). Complete LU07 Quiz (MindTap). Complete Ch7 – Test (Blackboard).	1 a,b,c

Week 8 assignments must be completed and turned in before midnight Mar 10.

Week/Date	Module	Content	Assignments & Test Due Dates	Competency Area
Week 9 Mar 8 -14	1-7	Catchup Week		1-7 a,c

Week 9 assignments must be completed and turned in before midnight Mar 17.

Week/Date	Module	Content	Assignments & Test Due Dates	Competency Area
Week 10 Mar 15 - 21	8	Desktop and Server OS Vulnerabilities	Read and complete all activities in Module 8 – Desktop and Server OS Vulnerabilities (MindTap). Complete Labs for Module 8 (MindTap). Complete LU08 Quiz (MindTap). Complete Ch8 – Test (Blackboard). Complete Discussion Topic 4 (Blackboard).	1,5 a,c

Week 10 assignments must be completed and turned in before midnight Mar 24.

Week/Date	Module	Content	Assignments & Test Due Dates	Competency Area
Week 11 Mar 22 - 28	9	Embedded Operating Systems: The Hidden Threat	Read and complete all activities in Module 9 – Embedded Operating Systems: The Hidden Threat (MindTap). Complete Labs for Module 9 (MindTap). Complete LU09 Quiz (MindTap). Complete Ch9 – Test (Blackboard).	1,5 a,c

Week 11 assignments must be completed and turned in before midnight Mar 31.

Week/Date	Module	Content	Assignments & Test Due Dates	Competency Area
Week 12 Mar 29 – Apr 4	10	Hacking Web Servers	Read and complete all activities in Module 10 – Hacking Web Servers (MindTap). Complete Labs for Module 10 (MindTap). Complete LU10 Quiz (MindTap). Complete Ch10 – Test (Blackboard).	1,6 a,c

Week 12 assignments must be completed and turned in before midnight Apr 7.

Week/Date	Module	Content	Assignments & Test Due Dates	Competency Area
Week 13 Apr 7 - 11	11	Hacking Wireless Networks	Read and complete all activities in Module 11 – Hacking Wireless Networks (MindTap). Complete Labs for Module 11 (MindTap). Complete LU11 Quiz (MindTap). Complete Ch11 – Test (Blackboard).	1,7 a,c

Week 13 assignments must be completed and turned in before midnight Apr 14.

Week/Date	Module	Content	Assignments & Test Due Dates	Competency Area
Week 14 Apr 12 - 18	12	Cryptography	Read and complete all activities in Module 12 – Cryptography (MindTap). Complete Labs for Module 12 (MindTap). Complete LU12 Quiz (MindTap). Complete Ch12 – Test (Blackboard). Complete Discussion Topic 5 (Blackboard).	1,8 a,c

Week 14 assignments must be completed and turned in before midnight Apr 21.

Week/Date	Module	Content	Assignments & Test Due Dates	Competency Area
Week 15 Apr 19 -25	13	Network Protection Systems	Read and complete all activities in Module 13 – Network Protection Systems (MindTap). Complete Labs for Module 13 (MindTap). Complete LU13 Quiz (MindTap). Complete Ch13 – Test (Blackboard).	1-8 a,c

Week 15 assignments must be completed and turned in before midnight Apr 29.

Week/Date	Chapter	Content	Assignments & Test Due Dates	Competency Area
Week 16 Apr 26 – 29			Proctored Final Exam (covers all chapters) Vidalia, April 28, 3:00 PM Gillis Building Room 812 or Swainsboro, April 29, 2:00 PM Building 2 Room 2106	1-8 a,c

Week 16 assignments must be completed and turned in before midnight Apr29.

COMPETENCY AREAS:

1. Network and Computers
2. Footprinting and Social Engineering
3. Port Scanning
4. Enumeration
5. OS Vulnerabilities
6. Hacking Web Servers
7. Hacking Wireless Networks
8. Cryptography

GENERAL CORE EDUCATIONAL COMPETENCIES

- a) The ability to utilize standard written English.
- b) The ability to solve practical mathematical problems.
- c) The ability to read, analyze, and interpret information.