



**Hardware Installation and Maintenance  
CIST 1122  
COURSE SYLLABUS  
Hybrid  
SPRING Semester 2017  
\*\*TENTATIVE – SUBJECT TO CHANGE**

**Semester:** Spring 2017 201714  
**Course Title:** Hardware Installation and Maintenance  
**Course Number:** CIST 1122  
**Credit Hours/ Minutes:** 4/5250 (7)  
**Class Location:** Room 2106 Bldg 2 Swainsboro  
**Class Meets:** Tue and Thur 10:15 – 12:10 15 weeks 60% in class and 40% online  
**CRN:** 40055

**Instructor:** Mr. Jamie Powers  
**Office Hours:** 8 – 10 am MTWR, 4 – 6 pm M  
**Office Location:** Office Room 2106 Bldg 2 Swainsboro  
**Email Address:** [jpowers@southeasterntech.edu](mailto:jpowers@southeasterntech.edu)  
**Phone:** 478-289-2221  
**Fax Number:** 478-289-2214  
**Preferred method of contact:** **STC OWL Email to address above**  
**TestOut Class Code** 40055

**This course is taught in a hybrid format. Hybrid classes require students to complete a portion of the required contact hours traditionally by attending classes on campus while completing the remaining portion online at the student’s convenience with respect to the instructor’s requirements.**

**REQUIRED TEXT:** No Text Purchase is required. Students will access the e-textbook which is included with the **TestOut website course program**. Students are required to purchase the **Access Code : TestOut PC Pro ISBN 978-1-935080-42-8 from the STC Bookstore** or from [www.TestOut.com](http://www.TestOut.com). TestOut PC Pro will be used for the CIST1135 and CIST1122 and will only need to be purchased once. Students will be given the registration information before class begins. Students who prefer to purchase a book as a resource, may obtain the book information from the instructor.

**REQUIRED SUPPLIES:** use STC computers or a computer with XP, VISTA, Win 7, 8, or 10, 1.3 Ghz Processor, 512 MB RAM, up to 4.5 GB free hard drive space, DVD Drive, Monitor with 1024X768 resolution, sound card, Internet Explorer 7+ or **Google Chrome (preferred)**, Windows Media Player 10.0 or later, Adobe Reader, optional: 128 mb or higher USB Flash Drive **Note: Students will be saving their work via the TESTOUT LabSim and thru BLACKBOARD. Internet access required. Students are required to have TestOut access code on the first day of class.**

**Note:** Although students can use their smart phones and tablets to access the online portion of their course(s), exams, discussions, assignments, and other graded activities should be performed on a personal computer. Neither Blackboard, TestOut, nor 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 complete the online portion of the course.

**COURSE DESCRIPTION:** This course serves to provide students with the knowledge of the fundamentals of computer technology, networking, and security along with the skills required to identify hardware, peripheral, networking, and security components with an introduction to the fundamentals of installing and maintaining computers. Students will develop the skills to identify the basic functionality of the operating system, perform basic troubleshooting techniques, utilize proper safety procedures, and effectively interact with customers and peers. This course is designed to help prepare students for the CompTIA A+ certification examination.

**MAJOR COURSE COMPETENCIES/OUTLINE:**

- |                                   |  |
|-----------------------------------|--|
| 1. Hardware                       | 2. Troubleshooting, Repair and Maintenance |
| 3. Operating Systems and Software | 4. Networking                              |
| 5. Security                       | 6. Operational Procedures                  |

**PREREQUISITE(S):** Program Admission

**GENERAL EDUCATION CORE COMPETENCIES:** STC 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.

**WORK ETHICS:** The Technical College System of Georgia instructs and evaluates students on work ethics in all programs of study. Ten work ethics traits have been identified and defined as essential for student success: appearance, attendance, attitude, character, communication, cooperation, organizational skills, productivity, respect, and teamwork. Students will be required to take a work ethics exam as marked in the lesson plan. A grade of 70 or better is required to complete the work ethics requirements for this class.

**STUDENT REQUIREMENTS (Hybrid)** Students are expected to complete all work shown on the attached lesson plan. Students will login to TestOut website, complete the reading, watch lecture/tutorial videos, and complete the lab and the exams for each module. Students are also expected to complete all tests and comprehensive problems on the dates specified on the attached calendar. **Assignments will be saved via the Blackboard and TestOut 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.** **CIST program students must earn a minimum grade of C in this course. Unannounced quizzes/assignments may be given. Students who miss an unannounced quiz or assignment will receive a grade of 0.**

**Discussion Board topics** 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. **Complete your initial post by Wednesday and all replies by the Monday due date.**

**EMAILS: Prefer method of communication should be thru STC OWL 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:**  
**CIST1135 Powers**

**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.

**SURFING THE WEB WHILE IN CLASS:** For each time a student is caught on Facebook or a site that is not approved by the instructor, student will be dismissed from class with an absence given for attendance.

**CELL PHONE USING IN CLASS:** Cell phone usage is not allowed in the classroom. Any student caught using a phone or answering a call during class will have a 5 point deduction on the next Exam/Test.

**ATTENDANCE GUIDELINES:** Class attendance is a very important aspect of a student's success. Being absent from class prevents students from receiving the full benefit of a course and also interrupts the learning process. Southeastern Technical College considers both tardiness and leaving early as types of absenteeism. Responsibility for class attendance rests with the student. Regular and punctual attendance at all scheduled classes is required for student success. Students will be expected to complete all work required by the instructor as described in the individual course syllabus.

Instructors have the right to give unannounced quizzes/assignments. Students who miss an unannounced quiz or assignment will receive a grade of 0. Students who stop attending class, but do not formally withdraw, may receive a grade of F and face financial aid repercussions in upcoming semesters.

Instructors are responsible for determining whether missed work may be made up and the content and dates for makeup work is at the discretion of the instructor.

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. 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 in a course.

**SPECIAL NEEDS:** Students with disabilities who believe that they may need accommodations in this class based on the impact of a disability are encouraged to contact Helen Thomas, 912-538-3126, [hthomas@southeasterntech.edu](mailto:hthomas@southeasterntech.edu), to coordinate reasonable accommodations.

**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 advise me and make appropriate arrangements with Helen Thomas, 912-538-3126, [hthomas@southeasterntech.edu](mailto:hthomas@southeasterntech.edu).

**MAKEUP GUIDELINES:** 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 Tuesday and end on Monday with assignments due on Monday at 11:55 PM. See Lesson Plan. Makeups are not allowed for unannounced quizzes/assignments.**

**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. (For **SPRING semester, that day will be January 11, 2016.**) **The student must formally withdraw from classes in order to receive the no harm-no foul benefit.**

**DROPPING COURSES BEFORE THE CLASS HAS BEGUN:** Students wishing to withdraw from one or all courses prior to the first day of class need to go to Banner Web and drop their classes. Please note that a registration access number will be needed as well as a student's ID number and PIN. If the registration access number is unknown, the student will need to contact the registrar.

**WITHDRAWAL PROCEDURE:** Students wishing to officially withdraw from a course(s) or all courses after the drop/add period and prior to the 65% portion of the semester (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" is assigned when the student completes the withdrawal form from the course.

Students who are dropped from courses due to attendance (see your course syllabus for attendance policy) after drop/add until the 65% point of the semester will receive a "W" for the course. Abandoning a course(s) instead of following official withdrawal procedures may result in a grade of 'F' being assigned.

After the 65% portion of the semester, the student will receive a grade for the course. (Please note: A zero will be given for all missed assignments.)

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. All grades, including grades of 'W', will count in attempted hour calculations for the purpose of Financial Aid.

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

**ACADEMIC DISHONESTY POLICY:** The STC Academic Dishonesty Policy states *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 *STC Catalog and Student Handbook*.

#### **Procedure for Academic Misconduct**

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

##### **--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.

**--Second Offense--**

Student is given a grade of "WF" 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.

**--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 second 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 and its constituent Technical Colleges do not discriminate on the basis of race, color, creed, national or ethnic origin, sex, 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 school is in compliance with Title VI of the Civil Rights Act of 1964, which prohibits discrimination on the basis of race, color, or national origin; with the provisions of Title IX of the Educational Amendments of 1972, which prohibits discrimination on the basis of gender; with the provisions of Section 504 of the Rehabilitation Act of 1973, which prohibits discrimination on the basis of handicap; and with the American with Disabilities Act (ADA).

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

<b>ADA/Section 504 - Equity- Title IX (Students) - OCR Compliance Officer</b>	<b>Title VI - Title IX (Employees) - EEOC Officer</b>
Helen Thomas, Special Needs Specialist Vidalia Campus 3001 East 1 <sup>st</sup> Street, Vidalia Office 108 Phone: 912-538-3126 <a href="mailto:hthomas@southeasterntech.edu">hthomas@southeasterntech.edu</a>	Blythe Wilcox, Director of Human Resources Vidalia Campus 3001 East 1 <sup>st</sup> Street, Vidalia Office 138B Phone: 912-538-3147 <a href="mailto:bwilcox@southeasterntech.edu">bwilcox@southeasterntech.edu</a>

**GRIEVANCE PROCEDURES:** Grievance procedures can be found in the Catalog and Handbook located on STC'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 STC website at [www.southeasterntech.edu](http://www.southeasterntech.edu).

<b>Grading Policy</b>		<b>Grading Scale</b>		
LabSims	30%	A	EXCELLENT	100-90
Exam Questions	30%	B	GOOD	89-80
Final Exam	25%	C	SATISFACTORY	79-70
Discussion Boards	5%	D*	POOR	69-60
Work Ethics	10%	F*	FAILING	59 and below
<b>TOTAL</b>	<b>100%</b>	<b>* Grade of D or below results in student repeating the class</b>		

**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.*

**\*\*Disclaimer Statements\*\***

**\*\*\*\*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 or will be given to them during face to face class time the first day of the semester. The syllabus displayed in advance of the semester in a location other than the course you are enrolled in is for planning purposes only.\*\*\***

**Work Ethics Assessment  
Grading Rubric**

	<b>Achievement Level 1 (1 pt. ea.)</b>	<b>Achievement Level 2 (2 pts. ea.)</b>	<b>Achievement Level 3 (3 pts. ea.)</b>	<b>Achievement Level 4 (4 pts. ea.)</b>	<b>Achievement Level 5 (5 pts. ea.)</b>
<b>Sentence Length and Knowledge</b>	Student's answer is less than 20 words in length and demonstrates poor knowledge of the work ethic topic addressed in the scenario.	Student's answer is 20-29 words in length and demonstrates limited knowledge of the work ethic topic addressed in each scenario.	Student's answer is 30-39 words in length and demonstrates satisfactory knowledge of the work ethic topic addressed in each scenario.	Student's answer is 40-49 words in length and demonstrates proficient knowledge of the work ethic topic addressed in each scenario.	Student's answer is 50-75 words in length and demonstrates exceptional knowledge of the work ethic topic addressed in each scenario.
<b>Spelling/Grammar and Sentence Structure</b>	Student has 5 or more errors in spelling, punctuation, and grammar	Student has no more than 4 errors in spelling, punctuation, and grammar.	Student has no more than 3 errors in spelling, punctuation, and grammar.	Student has no more than 2 errors in spelling, punctuation, and grammar.	Student has no more than 1 error in spelling, punctuation, and grammar.

- **If a work ethic topic(s) is not answered, the student will receive 0 points.**
- **A score of at least 70 out of 100 points must be achieved in order to pass the Work Ethics Exam.**

**Discussion Board Grading Rubrics:**

<b>Discussion Board Topics Grading Rubric</b>					
<b>Criteria Weight</b>	<b>Exceptional 100</b>	<b>Proficient 90</b>	<b>Satisfactory 70</b>	<b>Poor 50</b>	<b>Unacceptable 0</b>
<b>Grammar/ Spelling</b>  <b>25.00 %</b>	<ul style="list-style-type: none"> <li>• No grammatical or spelling errors</li> </ul> <p><b>(25 points)</b></p>	<ul style="list-style-type: none"> <li>• Grammatical and spelling errors are few and cause no comprehension problems.</li> </ul> <p><b>(22.5 points)</b></p>	<ul style="list-style-type: none"> <li>• Grammatical and spelling errors cause the reader to reread many parts of the post.</li> </ul> <p><b>(17.5 points)</b></p>	<ul style="list-style-type: none"> <li>• Grammatical and spelling errors are frequent making posts confusing to read and comprehend.</li> </ul> <p><b>(12.5 points)</b></p>	<ul style="list-style-type: none"> <li>• Grammatical and spelling errors are so numerous that the post is hard or impossible to comprehend.</li> </ul>
<b>Posts &amp; Word Count</b>  <b>25.00%</b>	<ul style="list-style-type: none"> <li>• Posts early to allow time to read and reply</li> <li>• Publishes at least one original post and at least one reply</li> <li>• 125 - 150 words in main thread</li> </ul> <p><b>(25 points)</b></p>	<ul style="list-style-type: none"> <li>• Posts early to allow others time to read and reply</li> <li>• Publishes one post and one reply</li> <li>• 80 – 124 words in main thread</li> </ul> <p><b>(22.5 points)</b></p>	<ul style="list-style-type: none"> <li>• Posts at the last minute without allowing enough time for others to read and reply.</li> <li>• Publishes one post and no replies</li> <li>• 26 – 79 words in main thread</li> </ul> <p><b>(17.5 points)</b></p>	<ul style="list-style-type: none"> <li>• Posts at the last minute without allowing enough time for others to read and reply.</li> <li>• Publishes no posts and one reply</li> <li>• 0-25 words in main thread</li> </ul> <p><b>(12.5 points)</b></p>	<ul style="list-style-type: none"> <li>• Publishes no posts or replies</li> </ul>
<b>Critical Thinking</b> <b>NO COPYING AND PASTING FROM WEBSITES. If any information comes from a website it must be cited as a resource.</b> <b>25.00%</b>	<ul style="list-style-type: none"> <li>• Content provides a thorough frame of reference for comprehending the solution;</li> <li>• an original solution is provided.</li> <li>• Numerous Resources listed</li> </ul> <p><b>(25 points)</b></p>	<ul style="list-style-type: none"> <li>• Content provides appropriate factual data but is not original or complete to solve problem or topic.</li> <li>• Resources listed</li> </ul> <p><b>(22.5 points)</b></p>	<ul style="list-style-type: none"> <li>• Content attempts to solve problem or topic but is too vague or disorganized to completely comprehend solution.</li> <li>• Few resources listed</li> </ul> <p><b>(17.5 points)</b></p>	<ul style="list-style-type: none"> <li>• Content is not a realistic solution to the problem or topic.</li> <li>• One resource listed</li> </ul> <p><b>(12.5 points)</b></p>	<ul style="list-style-type: none"> <li>• Content fails to offer a conscientious solution to selected problem or topic.</li> <li>• No resource listed</li> </ul>
<b>Explanation</b>  <b>25.00%</b>	<ul style="list-style-type: none"> <li>• All Steps are covered.</li> <li>• Questions are answered correctly.</li> </ul> <p><b>(25 points)</b></p>	<ul style="list-style-type: none"> <li>• Most Steps are covered and answered correctly.</li> </ul> <p><b>(22.5 points)</b></p>	<ul style="list-style-type: none"> <li>• Most steps are covered but not answered correctly.</li> </ul> <p><b>(17.5 points)</b></p>	<ul style="list-style-type: none"> <li>• Less than half of the steps are covered and answered correctly.</li> </ul> <p><b>(12.5 points)</b></p>	<ul style="list-style-type: none"> <li>• Less than half of the steps are covered and not answered correctly.</li> </ul>



# CIST 1122 HARDWARE INSTALLATION AND MAINTENANCE

SPRING Semester 2017 Lesson Schedule Fiscal Year 201714

**\*\*\*TENTATIVE – SUBJECT TO CHANGE**

Date	Modules	Content <i>*Gray indicates work as online</i>	Assignments & Tests Due	*Competency Area
<b>WEEK 1</b>				
Mon Jan 9		<b>Semester Begins: TestOut LabSim is used for CIST 1130 and CIST 1122. The activities in CIST 1122 prepare students for the CompTIA 220-801 Exam. Students will complete designated activities for CIST 1122 as indicated on each assignment sheet. The activities that are not completed in CIST 1122, will be done in CIST 1130.</b>		
10		Getting Started - Class Introduction – Syllabi, Outline, Work Ethics, Rules, and Regulations Coverage	Reply to <b>Welcome Email</b> from your Instructor.  <b>Logon to the course on Blackboard</b>  Read all documents located under <b>Getting Started - Start Here</b> folder.  Complete the <b>Acknowledgment Pledge</b> and the <b>Student Introduction Acknowledgement</b> discussion before beginning course work. <b>DUE 01/10/16</b>	a,c
11		<b>Login to TestOut</b> and enter the registration information given to you by the instructor.  <b>Print the TestOut assignments sheets from Blackboard to use as a checkoff sheet.</b>	<b>You must have the TestOut keycode in order to start. To join the class, use the class crn number.</b>  For each module in the TestOut you will watch a video/demonstration, read the information given, complete a simulation and then answer the questions at the end.	
12	<b>1.0</b>	<b>Computing Overview</b>	Complete from <b>Module 1.0</b> Computing Overview <ul style="list-style-type: none"> <li>• 1.1 Course Introduction (7 minutes)</li> <li>• 1.2 Using the Simulator (43 minutes)</li> <li>• 1.3 Hardware Basics (54 min &amp; 14 ques)</li> <li>• <b>Complete Discussion Board 1</b></li> </ul>	1 a,c
<b>**Week 1 assignments must be completed and turned in before 11:55 PM Jan 17</b>				
<b>WEEK 2</b>				
Mon Jan 16	<b>MLK</b>	<b>HOLIDAY</b>		
17	<b>2.0</b>	<b>PC Technician</b>	Complete from <b>Module 2.0 – PC Technician</b> <ul style="list-style-type: none"> <li>• 2.1 Protection and Safety (45 min &amp; 10 ques)</li> <li>• 2.2 Professionalism (22 min &amp; 12 ques)</li> </ul>	2,6 a,b,c
18			<ul style="list-style-type: none"> <li>• 2.3 PC Tools (22 min &amp; 11 ques)</li> <li>• <b>Complete Discussion Board 2</b></li> </ul>	
19			<ul style="list-style-type: none"> <li>• 2.4 PC Maintenance (51 min &amp; 9 ques)</li> <li>• 2.5 Troubleshooting Overview (24 min &amp; 12 ques)</li> </ul>	
<b>**Week 2 assignments must be completed and turned in before 11:55 PM Jan 23</b>				

**WEEK 3**

Mon Jan 23	3.0	System Components	Complete from <b>Module 3.0 – System Components</b> <ul style="list-style-type: none"> <li>3.1 Cases, Form Factors, and Power (18 min &amp; 6 ques)</li> </ul>	1 a,b,c
24			<ul style="list-style-type: none"> <li>3.2 Power Supplies (44 min &amp; 15 ques)</li> <li>3.3 Motherboards and Buses (37 min &amp; 9 ques)</li> </ul>	
25			<ul style="list-style-type: none"> <li>3.4 Motherboard Troubleshooting (33 min &amp; 9 ques)</li> </ul>	
26			<ul style="list-style-type: none"> <li>3.5 Processors (64 min &amp; 11 ques)</li> </ul>	

**\*\*Week 3 assignments must be completed and turned in before 11:55 PM Jan 30**

**WEEK 4**

Mon Jan 30	3.0	System Components	<ul style="list-style-type: none"> <li>3.6 Processor Troubleshooting (33 min &amp; 11 ques)</li> </ul>	1 a,b,c
31			<ul style="list-style-type: none"> <li>3.7 Memory (46 min &amp; 12 ques)</li> <li>3.8 Memory Installation (65 min &amp; 11 ques)</li> </ul>	
Feb 1			<ul style="list-style-type: none"> <li><b>Complete Discussion Board 3</b></li> </ul>	
2			<ul style="list-style-type: none"> <li>3.9 Memory Troubleshooting (38 min &amp; 11 ques)</li> <li>3.10 BIOS/UEFI (72 min &amp; 14 ques)</li> </ul>	

**\*\*Week 4 assignments must be completed and turned in before 11:55 PM Feb 6**

**WEEK 5**

Mon Feb 6	3.0	System Components	<ul style="list-style-type: none"> <li>3.11 Expansion Cards (29 min &amp; 10 ques)</li> </ul>	1 a,b,c
7			<ul style="list-style-type: none"> <li>3.12 Video (38 min &amp; 11 ques)</li> </ul>	
8			<ul style="list-style-type: none"> <li>3.13 Audio (57 min &amp; 11 ques)</li> </ul>	
9			<ul style="list-style-type: none"> <li>3.14 Cooling (27 min &amp; 14 ques)</li> </ul>	

**\*\*Week 5 assignments must be completed and turned in before 11:55 PM on Feb 13**

**WEEK 6**

Mon Feb 13	4.0	Peripheral Devices	Complete from <b>Module 4.0 Peripheral Devices</b> <ul style="list-style-type: none"> <li>4.1 Peripheral Devices (19 min &amp; 5 ques)</li> <li><b>Complete Discussion Board 4</b></li> </ul>	1,3 a,c
14			<ul style="list-style-type: none"> <li>4.2 USB (33 min &amp; 10 ques)</li> <li>4.3 IEEE 1394 (Firewire) (22 min &amp; 7 ques)</li> </ul>	
15			<ul style="list-style-type: none"> <li>4.4 Display Devices (81 min &amp; 12 ques)</li> </ul>	
16			<ul style="list-style-type: none"> <li>4.5 Video Troubleshooting (28 min &amp; 8 ques)</li> </ul>	

**\*\*Week 6 assignments must be completed and turned in before 11:55 PM Feb 20**

**WEEK 7**

Mon Feb 20	4.0	Peripheral Devices	<ul style="list-style-type: none"> <li>4.6 Device Driver Management (67 min &amp; 8 ques)</li> <li>4.7 Device Driver Troubleshooting (41 min &amp; 11 ques)</li> </ul>	1,3 a,c
21	5.0	Storage	Complete from <b>Module 5.0 Storage</b> <ul style="list-style-type: none"> <li>5.1 Storage Devices (26 min &amp; 9 ques)</li> </ul>	1,2,3 a,b,c
22			<ul style="list-style-type: none"> <li>5.2 SATA (31 min &amp; 7 ques)</li> </ul>	
23			<ul style="list-style-type: none"> <li>5.3 Optical Media (25 min &amp; 5 ques)</li> </ul>	

**\*\*Week 7 assignments must be completed and turned in before 11:55 PM Feb 27**

**WEEK 8**

Mon Feb 27	5.0	Storage	<ul style="list-style-type: none"> <li>5.4 RAID (52 min &amp; 11 ques)</li> <li><b>RAID QUIZ in class</b></li> </ul>	1,2,3 a,b,c
28	6.0	Networking	Complete from <b>Module 6.0 Networking</b> <ul style="list-style-type: none"> <li>6.1 Networking Overview (52 min &amp; 10 ques)</li> <li><b>Complete Discussion Board 5</b></li> </ul>	4.5 a,b,c
Mar 1			<ul style="list-style-type: none"> <li>6.2 Network Hardware (43 min &amp; 11 ques)</li> </ul>	4.5 a,b,c
2			<ul style="list-style-type: none"> <li>6.3 Networking Media (45 min &amp; 13 ques)</li> <li>6.4 Ethernet (23 min &amp; 8 ques)</li> </ul>	

**\*\*Week 8 assignments must be completed and turned in before 11:55 PM Mar 6**

**WEEK 9**

Mon Mar 6	6.0	Networking	<ul style="list-style-type: none"> <li>Complete from <b>Module 6.0 Networking</b></li> <li>6.5 IP Networking (40 min &amp; 15 ques)</li> </ul>	4.5 a,b,c
7			<ul style="list-style-type: none"> <li>6.6 IP Configuration (51 min &amp; 11 ques)</li> <li>6.7 IP version 6 (19 min &amp; 8 ques)</li> </ul>	
8			<ul style="list-style-type: none"> <li>6.8 802.11 Wireless (61 min &amp; 15 ques)</li> </ul>	
9			<ul style="list-style-type: none"> <li>6.9 Infrared, Bluetooth, and NFC (30 min &amp; 9 ques)</li> <li>6.10 Internet Connectivity (50 min &amp; 13 ques)</li> </ul>	

**\*\*Week 9 assignments must be completed and turned in before 11:55 PM Mar 13**

**WEEK 10**

Mon Mar 13	6.0	Networking	<ul style="list-style-type: none"> <li>6.11 SOHO Configuration (68 min &amp; 11 ques)</li> <li>6.14 Network Troubleshooting (77 min &amp; 15 ques)</li> </ul>	4.5 a,b,c
14			<b>IP Addressing Quiz in class</b>	4.5 a,b,c
15	7.0	Printing	Complete from <b>Module 7.0 Printing</b> <ul style="list-style-type: none"> <li>7.1 Printers (54 min &amp; 10 ques)</li> </ul>	1,2,3,4,5 a,c
16			<ul style="list-style-type: none"> <li>7.2 Printer Configuration (45 min &amp; 5 ques)</li> <li>7.3 Network Printing (42 min &amp; 5 ques)</li> </ul>	1,2,3,4,5 a,c

**\*\*Week 10 assignments must be completed and turned in before 11:55 PM Mar 20**

**WEEK 11**

Mon Mar 20	7.0	Printing	<ul style="list-style-type: none"> <li>7.5 Printer Maintenance (22 min &amp; 6 ques)</li> <li>7.6 Printer Troubleshooting (40 min &amp; 10 ques)</li> </ul>	1,2,3,4,5 a,c
21	8.0	Mobile Devices	Complete from <b>Module 8.0 Mobile Devices</b> <ul style="list-style-type: none"> <li>8.1 Notebook Computers (32 min &amp; 7 ques)</li> <li>8.2 Notebook Components (54 min &amp; 15 ques)</li> </ul>	
22			<ul style="list-style-type: none"> <li>8.4 Notebook Troubleshooting (42 min &amp; 15 ques)</li> </ul>	
23	10.0	System Implementation	Complete from <b>Module 10.0 System Implementation</b> <ul style="list-style-type: none"> <li>10.1 Component Selection (21 min &amp; 8 ques)</li> </ul>	3,6

**\*\*Week 11 assignments must be completed and turned in BEFORE 11:55 PM Mar 27**



**WEEK 12**

Mon Mar 27		<b>Build Computer</b>	Build our computer from components selected and purchased throughout the semester	2,5 a,b,c
28	12.0	<b>Security</b>	<ul style="list-style-type: none"> <li>12.5 BIOS/UEFI Security</li> </ul>	
29	13.0	<b>Troubleshooting</b>	Complete from <b>Module 13.0 Troubleshooting</b> <ul style="list-style-type: none"> <li>13.1 Build a Computer from Scratch</li> </ul>	
30			<ul style="list-style-type: none"> <li>13.2 Troubleshoot a Malfunctioning Computer</li> <li>13.3 Troubleshoot System Startup</li> </ul>	

**\*\*Week 12 assignments must be completed and turned in BEFORE 11:55 PM Apr 13**

**WEEK 13**

Mon Apr 3		<b>B. CompTia 220-901 Practice Exams</b>	<b>Complete B.1 Preparing for Certification</b>	1-6 a,b,c
4			Exam – <b>B.2 Domain 1: Hardware</b> (268 ques)	
5				
6			Continue Exam – <b>B.2 Domain 1: Hardware</b> (268 ques)	

**\*\*Week 13 assignments must be completed and turned in BEFORE 11:55 PM Apr 10**

**WEEK 14**

Mon Apr 10		<b>B. CompTia 220-901 Practice Exams</b>		1-6 a,b,c
11			Exam – <b>B.3 Domain 2: Networking</b> (158 ques)	
12				
13			Continue Exam – <b>B.3 Domain 2: Networking</b> (158 ques) Exam – <b>B.4 Domain 3: Mobile Devices</b> (27 ques)	

**\*\*Week 14 assignments must be completed and turned in BEFORE 11:55 PM Apr 17**

**WEEK 15**

Mon Apr 17		<b>Prepare for final exam</b>	<b>Do Domain questions as many times as you like to prepare for the final</b>	1-6 a,b,c
18			Exam – <b>B.5 Domain 4: Hardware and Network Troubleshooting</b> (159 ques)	
19				
Thurs 20			Continue Exam – <b>B.5 Domain 4: Hardware and Network Troubleshooting</b> (159 ques)	
Mon Apr24			<b>220-901 Certification Practice Exam (90 questions – 90 minutes)</b>	

\* Competency Areas:

- (1) Hardware
- (2) Troubleshooting, Repair and Maintenance
- (3) Operating Systems and Software
- (4) Networking
- (5) Security
- (6) Operational Procedures

\*\* General Education Competency Areas:

- 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.

**Students are responsible for all information contained in this lesson plan. This lesson plan is subject to change at instructor's discretion.**