INSTRUCTOR CONTACT INFORMATION

Instructor: Steven Joiner
Email: scjoiner@lit.edu
Office Phone: 409-247-4995
Office Location: TA 4 Room 105 (Back)
Office Hours: TBA

CREDIT
3 Semester Credit Hours (2 hours lecture, 4 hours lab)

MODE OF INSTRUCTION
Traditional

PREREQUISITE/CO-REQUISITE:
ITCC 1314: CCNA 1

COURSE DESCRIPTION
Describes the architecture, components, and operations of routers and switches in small networks and introduces wireless local area networks (WLAN) and security concepts; provides an in-depth understanding of how routers and switches operate and are implemented in the LAN environment.

COURSE OBJECTIVES
Upon completion of this course, the student will be able to
- Configure, secure, and maintain routers and switches
- Resolve common issues with routing protocols, virtual LANs, and inter-VLAN routing in both IPv4 and IPv6 networks.
- Configure WLANs.

REQUIRED TEXTBOOK AND MATERIALS

Approved: Initials/date
Recommended Textbook and Materials

ATTENDANCE POLICY
Three absences are allowed. If a student is tardy to class or departs early three (3) times, it will be equal to one (1) absence. Each absence beyond three absences will result in a 2 point deduction from your final grade.

DROP POLICY
If you wish to drop a course, you are responsible for initiating and completing the drop process by the specified drop date as listed on the Academic Calendar. If you stop coming to class and fail to drop the course, you will earn an “F” in the course.

STUDENT EXPECTED TIME REQUIREMENT
For every hour in class (or unit of credit), students should expect to spend at least two to three hours per week studying and completing assignments. For a 3-credit-hour class, students should prepare to allocate approximately six to nine hours per week outside of class in a 16-week session OR approximately twelve to eighteen hours in an 8-week session. Online/Hybrid students should expect to spend at least as much time in this course as in the traditional, face-to-face class.

COURSE CALENDAR (Subject to change)

<table>
<thead>
<tr>
<th>DATE</th>
<th>TOPIC</th>
<th>READINGS</th>
<th>ASSIGNMENTS (Due on this Date)</th>
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<tbody>
<tr>
<td>Week 1</td>
<td>Basic Device</td>
<td>Chapter 1</td>
<td>Packet Tracer 1.3.6</td>
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<tr>
<td>1/16-1/21</td>
<td>Configuration</td>
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<td>Packet Tracer 1.4.7</td>
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<td>Packet Tracer 1.5.10</td>
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<td>Packet Tracer 1.6.1</td>
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<td>1/28/2024</td>
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<tr>
<td>Week 2</td>
<td>Switching Concepts</td>
<td>Chapter 2</td>
<td>In Class Work</td>
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<tr>
<td>1/21-1/28</td>
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<td>1/28/2024</td>
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<tr>
<td>Week 3</td>
<td>VLANS</td>
<td>Chapter 3</td>
<td>Packet Tracer 3.1.4</td>
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<td>1/28-2/4</td>
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<td>Packet Tracer 3.2.8</td>
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<td>Packet Tracer 3.3.12</td>
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<td>Packet Tracer 3.4.5</td>
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<td>2/4/2024</td>
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<td>Week</td>
<td>Dates</td>
<td>Topic</td>
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<tr>
<td>Week 4</td>
<td>2/4-2/11</td>
<td>Inter-VLAN Routing</td>
<td>Chapter 4</td>
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<td>Week 5</td>
<td>2/11-2/18</td>
<td>STP Concepts</td>
<td>Chapter 5</td>
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<td>Week 6</td>
<td>2/18-2/25</td>
<td>EtherChannel Modules 5 - 6: Redundant Networks Exam</td>
<td>Chapter 6</td>
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<td>Week 7</td>
<td>2/25-3/3</td>
<td>DHCPv4</td>
<td>Chapter 7</td>
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<td>Week 8</td>
<td>3/3-3/10</td>
<td>SLAAC and DHCPv6 Modules 7 - 9: Available and Reliable Networks Exam</td>
<td>Chapter 8</td>
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<td>Week 11</td>
<td>3/31-4/7</td>
<td>WLAN Concepts</td>
<td>Chapter 12</td>
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<td>Week 12</td>
<td>4/7-4/14</td>
<td>WLAN Configuration Modules 10 - 13: L2 Security and WLANs Exam</td>
<td>Chapter 13</td>
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<td>Week 13</td>
<td>4/14-4/21</td>
<td>Routing Concepts</td>
<td>Chapter 14</td>
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<td>Week 15</td>
<td>4/28-5/5</td>
<td>Troubleshoot Static and Default Routes Modules 14 - 16: Routing Concepts and Configuration Exam</td>
<td>Chapter 16</td>
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COURSE EVALUATION
Final grades will be calculated according to the following criteria:
- Labs 30%
- Study Guides 10%
- Module Tests 30%
- Final Exam 30%

GRADING SCALE
90 – 100 A
80 – 89 B
70 – 79 C
60 – 69 D
0 – 59 F

LIT does not use +/- grading scales

ACADEMIC DISHONESTY
Students found to be committing academic dishonesty (cheating, plagiarism, or collusion) may receive disciplinary action. Students need to familiarize themselves with the institution’s Academic Dishonesty Policy available in the Student Catalog & Handbook at http://catalog.lit.edu/content.php?catoid=3&navoid=80#academic-dishonesty.

TECHNICAL REQUIREMENTS
The latest technical requirements, including hardware, compatible browsers, operating systems, etc. can be online at https://lit.edu/online-learning/online-learning-minimum-computer-requirements. A functional broadband internet connection, such as DSL, cable, or WiFi is necessary to maximize the use of online technology and resources.

DISABILITIES STATEMENT
The Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973 are federal anti-discrimination statutes that provide comprehensive civil rights for persons with disabilities. LIT provides reasonable accommodations as defined in the Rehabilitation Act of 1973, Section 504 and the Americans with Disabilities Act of 1990, to students with a diagnosed disability. The Special Populations Office is located in the Eagles’ Nest Room 129 and helps foster a supportive and inclusive educational environment by maintaining partnerships with faculty and staff, as well as promoting awareness among all members of the Lamar Institute of Technology community. If you believe you have a disability requiring an accommodation, please contact the Special Populations Coordinator at (409)-951-5708 or email
You may also visit the online resource at Special Populations - Lamar Institute of Technology (lit.edu).

STUDENT CODE OF CONDUCT STATEMENT
It is the responsibility of all registered Lamar Institute of Technology students to access, read, understand and abide by all published policies, regulations, and procedures listed in the LIT Catalog and Student Handbook. The LIT Catalog and Student Handbook may be accessed at www.lit.edu. Please note that the online version of the LIT Catalog and Student Handbook supersedes all other versions of the same document.

STARFISH
LIT utilizes an early alert system called Starfish. Throughout the semester, you may receive emails from Starfish regarding your course grades, attendance, or academic performance. Faculty members record student attendance, raise flags and kudos to express concern or give praise, and you can make an appointment with faculty and staff all through the Starfish home page. You can also login to Blackboard or MyLIT and click on the Starfish link to view academic alerts and detailed information. It is the responsibility of the student to pay attention to these emails and information in Starfish and consider taking the recommended actions. Starfish is used to help you be a successful student at LIT.

ADDITIONAL COURSE POLICIES/INFORMATION
Course Policies
1. All BISD rules apply while here.
2. No food, drinks, use of tobacco products, or vaping products in class.
3. Electronic devices not being used for the class, such as phones and headphones, must be turned off while in class. Any device usage during class may result in a deduction of points on an assignment or test.
4. Do not bring children to class.
5. Certification: If a student passes the certification test that is associated with this class, you will receive an “A” on the final exam and credit for 25% of your labs.
6. A grade of ‘C’ or better must be earned in this course for credit toward degree requirement.
7. All assignment due dates are indicated in the Blackboard course for this class. Any work submitted after the assigned due date will receive a 10 point deduction.
8. Tests are assigned a due date and must be completed by that date. There will be a 2-day grace period and a 15-point deduction for missed exams. It is the student’s responsibility to contact the instructor for an extension.
9. All assignments must be submitted via Blackboard unless specified by your instructor. Assignments submitted through any other method will receive a
10. Grades for assignments may be accessed through My Grades in Blackboard. Each assignment shows your grade and any grading comments made on your assignment.

11. Chapter Exam grades may be accessed through the Cisco website until they are transferred to the Gradebook in Blackboard.

12. It is the student’s responsibility to verify transferred exam grades and ask for corrections if needed.

13. All work is due before the final exam date. Nothing will be graded after the final exam.

Certification Requirement
CNTT and Cyber Security majors are required to earn certification in one of the following areas prior to graduation.

- A+ Certification
- Network+ Certification
- Security+ Certification
- Linux+ Certification
- Cisco Certified Network Associate (CCNA)

This course covers part of the material to prepare for the Cisco Certified Network Associate v1.0 (CCNA 200-301) certification exam. All three Cisco courses must be completed to cover the material for the CCNA exam. Students are responsible for scheduling and paying for the certification through the LIT Testing Center. More information about the certification can be found online at [http://www.cisco.com/c/en/us/training-events/training-certifications/certifications.html](http://www.cisco.com/c/en/us/training-events/training-certifications/certifications.html).