CCNA 1: Introduction to Networks
(ITCC 1314 9T1)

INSTRUCTOR CONTACT INFORMATION

Instructor:	Steven Joiner
Email:	scjoiner@lit.edu
Office Phone:	409 247 4995
Office Location:	T4 – 105 (Back Office)
Office Hours:	Monday-Friday 8am-11am

CREDIT

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

MODE OF INSTRUCTION

Traditional – Dual Credit

PREREQUISITE/CO-REQUISITE:

None

COURSE DESCRIPTION

This course covers networking architecture, structure, security, and functions; introduces the principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations to provide a foundation for the curriculum.

COURSE OBJECTIVES

Upon completion of this course, the student will be able to

- Configure a small network using basic security.
- Perform basic configuration on routers and switches.
- Implement IP addressing schemes.

REQUIRED TEXTBOOK AND MATERIALS

1. *Introduction to Networks Companion Guide (CCNAv7)* , by Cisco Networking Academy, Cisco Press, 2020.

    a. ISBN number for print book is 978-0-13663-366-2
    b. ISBN number for print book is 978-0-13663-354-9

ATTENDANCE POLICY

Refer to the official BISD attendance policy.

DROP POLICY

Drops will follow BISD policy.

COURSE CALENDAR

DATE	TOPIC	READINGS (Due on this Date)	ASSIGNMENTS (Due on this Date)
Week 0 (8/15 - 8/18)	Introduction/Syllabus	None	Complete ApplyTexas (8/18/2023)
Week 1 (8/21 - 8/25)	Networking Today/Basic Switch and End Device Configuration	Chapter 1/Chapter 2	Packet Tracer: 1.05 1.5.5 (8/25/2023)
Week 2 (8/25 – 9/1)	Basic Switch and End Device Configuration/ Protocols and Models	Chapter 2/Chapter 3	Packet Tracer 2.3.7 2.5.5 2.7.6 (9/1/2023)
Week 3 (9/4 – 9/8)	Protocols and Models	Chapter 3	Packet Tracer 3.5.5 Module Exam 1-3 (9/8/2023)
Week 4 (9/11 – 9/15)	Physical Layer/ Number Systems	Chapter 4/Chapter 5	Packet Tracer 4.6.5 4.7.1 (9/15/2023)
Week 5 (9/18 – 9/22)	Number Systems/ Data Link Layer	Chapter 5/Chapter 6	Binary Worksheet (9/22/2023)
Week 6 (9/25 – 9/29)	Ethernet Switching	Chapter 7	Module Exam 4-7 (9/29/2023)
Week 7 (10/2 – 10/6)	Network Layer	Chapter 8	In Class Work
Week 8 (10/9 – 10/13)	Address Resolution	Chapter 9	Packet Tracer 9.1.3 9.2.9 9.3.4 (10/12/2023)
Week 9 (10/16 – 10/20)	Basic Router Configuration	Chapter 10	Packet Tracer 10.1.4 10.3.4 10.4.3 (10/20/2023)
Week 10 (10/23 – 10/27)	IPv4 Addressing/ Subnetting	Chapter 11	Module Exam 8-10 (10/27/2023)
Week 11 (10/30 – 11/3)	Subnetting/ IPv6 Addressing	Chapter 12	Packet Tracer 11.5.5 11.7.5 12.6.6 (11/2/2023)
Week 12 (11/6 – 11/10)	ICMP/Transport Layer	Chapter 13/Chapter 14	Module Exam 11-13 (11/10/2023)
Week 13 (11/13 – 11/17)	Application Layer/ Security Fundamentals	Chapter 15/Chapter 16	Module Exam 14-16 (11/17/2023)
Week 14 (11/20 – 11/24)	Happy Thanksgiving	None	None
Week 15 (11/27 – 12/1)	Build a Small Network	Chapter 17	Module Exam 16-17 (12/1/2023)
Week 16 (12/4 – 12/8)	Final Exam	None	Final Exam (12/5/2023)

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 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.

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.

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 specialpopulations@lit.edu. You may also visit the online resource at Special Populations - Lamar Institute of Technology (lit.edu).

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

1. All BISD rules are in effect 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. 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.
5. A grade of 'C' or better must be earned in this course for credit toward degree requirement.
6. 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 per week deduction.
7. Tests are assigned a due date and must be completed by that date. Tests will not be reactivated after the due date.

8. All assignments must be submitted via Blackboard unless specified by your instructor. Assignments submitted through any other method will receive a "0".
9. Grades for assignments may be accessed through My Grades in Blackboard. Each assignment shows your grade and any grading comments made on your assignment. These grades will be transferred to the BISD gradebook.
10. Chapter Exam grades may be accessed through the Cisco website until they are transferred to the Gradebook in Blackboard.
11. It is the student's responsibility to verify transferred exam grades and ask for corrections if needed.
12. All work is due before the final exam date. Nothing will be graded after the final exam.