



Course Syllabus

**Fundamentals of Networking Technologies  
ITNW1325**

Course Description: Instruction in networking technologies and their implementation. Topics include the OSI reference model, network protocols, transmission media, and networking hardware and software.

**Prerequisite: None**

**Semester Hours Credit: 3**

**Lecture Lab Hours: 2/4**

**Prerequisite: None**

**Text:** TESTOUT NETWORK PRO N10-005 LABSIM

Author TESTOUT

ISBN 9781935080435

**Course Learning Outcomes:**

Upon successful completion of this course the student will:

1. Identify and use network transmission media
2. Explain the OSI model; identify the characteristics of network topologies and protocols.
3. Identify the functions of a network operating system and distinguish between centralized, client/server, and peer-to-peer systems
4. Distinguish between Local Area Networks (LANs) and Wide Area Networks (WANs) and identify the components used to expand a LAN into a WAN.

**Evaluation Methods:**

1. Tests
2. Hands-on projects
3. Written/research projects
4. Lab Work
5. Attendance



### **Student Learning Outcome:**

**Teamwork:** Students will utilize Teamwork skills by distinguishing between local area network(LAN) and wide area networks(WAN) and identify the components used to expand a LAN into a WAN. Assessment for this SLO will be conducted through a hands on exercise, during the third lab project of the course. The target for this SLO will be 90% of the class will pass the exercise with a 70% or better grade.

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For more information, contact: in Alice at [salice@coastalbend.edu](mailto:salice@coastalbend.edu); Beeville at [sdbeeville@coastalbend.edu](mailto:sdbeeville@coastalbend.edu); Kingsville at [sdkingsville@coastalbend.edu](mailto:sdkingsville@coastalbend.edu); and Pleasanton at [sdpleasanton@coastalbend.edu](mailto:sdpleasanton@coastalbend.edu).

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See at: FLB (Local) and FM (Local).

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NOTE: The College website ([www.coastalbend.edu](http://www.coastalbend.edu)) serves as the main source with the most current version of the Coastal Bend College Board Policies and the Coastal Bend College Catalog.