

Bossier Parish Community College
Master Syllabus

Course Prefix and Number: CTEC 210

Credit Hours: 3-3-0

Course Title: Advanced Network Topics

Course Prerequisite: CTEC 155

Textbook(s): None

Course Description: This course will provide the student with information on current trends and topics in technology. These include but are not limited to cell phones, networking, social networking, RFID, and countermeasures. This course is required toward the CNSS 4011-4016 certifications.

Learning Outcomes:

At the end of this course, the student will:

- A. describe networked operating systems;
- B. describe current issues in Networking and Network Security; and
- C. describe current issues with malware and current trends in malware design.

To achieve the learning outcomes, the student will or will be able to:

(The letter designations at the end of each statement refer to the learning outcome(s).)

1. describe operating systems and how operating systems are used in a networked environment (A);
2. describe how malware works and current trends in malware design (B,C);
3. describe new technologies with telephone/3g/4g and WiMax networks (A,B);
4. describe how to secure new network devices (B);
5. describe vehicles of transmission and the evolution of modern communication systems (A,B);
6. describe security basics and security measures (B);
7. identify NSTISS basics and countermeasures including: education, training and awareness (C);
8. identify NSTICC basics and facets of NSTISS including: application of cryptographic systems, backup of files and data, and protection of files and data (B,C); and
9. implement NSTISS policies and procedures, and administrative security procedural controls including: sanitization of media (B).

Course Requirements:

1. A student must successfully complete the course with an average of 70% or above on the combined learning outcomes.
2. Each student is expected to attend classes regularly; excessive unexcused absences constitute grounds for suspension (refer to the student handbook for attendance policies).

Course Grading Scale:

A = 90 - 100

B = 80 - 89

C = 70 - 79

D = 60 - 69

F = 0 - 59

Attendance Policy: The college attendance policy is available at <http://www.bpcc.edu/catalog/current/academicpolicies.html>

Course Fees: This course is accompanied with an additional non-refundable fee for supplemental materials, laboratory supplies, software licenses, certification exams, and/or clinical fees.

Nondiscrimination Statement: Bossier Parish Community College does not discriminate on the basis of race, color, national origin, gender, age, religion, qualified disability, marital status, veteran's status, or sexual orientation in admission to its programs, services, or activities, in access to them, in treatment of individuals, or in any aspect of its operations. Bossier Parish Community College does not discriminate in its hiring or employment practices.

COORDINATOR FOR SECTION 504 AND ADA

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Equity/Compliance Coordinator

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