Bossier Parish Community College
Master Syllabus

Course Prefix and Number: CTEC 220   **Credit Hours:** 3-3-0

Course Title: Information System Security I

Course Prerequisites: CTEC 155

Textbook(s): Harris, Shon & Fernando Maymi. <u>CISSP All-in-One Exam Guide,</u> 8th edition.
McGraw-Hill, 2018; ISBN: 978-1260142655.
Note: This course is part of a two-semester curriculum. The above text will also be used for CIT 224.

Course Description: This course is the first of a two semester curriculum that provides a comprehensive overview of all of the aspects of information system security related to the (ISC)^2 CISSP certification. This course primarily focuses on the technical aspects of information system security and covers Chapters 4, 5, 6, and 8 of the textbook. This course is required toward the CNSS 4011-4016 certifications.

Learning Outcomes:
At the end of this course, the student will:
      A. identify access control concepts, techniques, and attacks;
      B. apply application security techniques used in system development;
      C. describe security assessment techniques; and
      D. identify network security layers and technologies.

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.)
1. explain access control concepts (A);
2. explain access control techniques and attacks (A);
3. explain system development (B);
4. describe application security techniques (B);
5. describe auditing techniques (C);
6. identify network layers (D); and
7. recognize network technologies (D).

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 class regularly; excessive unexcused absences constitute grounds for suspension (refer to the student handbook for attendance policies).

Course Grading:

    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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