Course Prefix and Number: CIT 220 Credit Hours: 3-3-0

Course Title: Information System Security I

Course Prerequisites: CIT 101

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:**
Letter grades will be assigned based on a ten point grading scale:

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

**Attendance Policy:** The college attendance policy is available at [http://www.bpcc.edu/catalog/current/academicpolicies.html](http://www.bpcc.edu/catalog/current/academicpolicies.html)

**Course Fees:** This course is accompanied with an additional fee for supplemental materials.

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