

Washtenaw Community College Comprehensive Report

CSS 220 Computer Security VI Proposed start term: Fall 2010

Course Cover

Division: Business and Computer Technologies
Department: Computer Instruction
Discipline: Computer Systems Security
Course Number: 220
Org Number: 13400
Full Course Title: Computer Security VI
Transcript Title: Computer Security VI
Is Consultation with other department(s) required: No
Publish in the Following: College Catalog , Time Schedule , Web Page
Reason for Submission: Course Change
Change Information:
 Course description
 Outcomes/Assessment
 Objectives/Evaluation
Rationale: Current course content is obsolete and being replaced with more contemporaneous and relevant content.
Proposed Start: Fall 2010

Course Description: This courses prepares the student for the Certified Information Systems Security Professional (CISSP) Certification examination. Topics encompass the ten CISSP domains: Access Control, Application Security, Business Continuity and Disaster Recovery Planning, Cryptography, Information Security and Risk Management, Legal, Regulations, Compliance and Investigations, Operations Security, Physical Security, Security Architecture and Design and Telecommunications and Network Security. The title of this course was previously Network Security Design.

Course Credit Hours

Variable hours: No
Credits: 4
Lecture Hours: Instructor: 60 **Student:** 60
Lab: Instructor: 0 **Student:** 0
Clinical: Instructor: 0 **Student:** 0
Other: Instructor: 0 **Student:** 0
Total Contact Hours: Instructor: Student:
Repeatable for Credit: NO
Grading Methods: Letter Grades
Are lectures, labs, or clinicals offered as separate sections?: NO (same sections)

College-Level Reading and Writing

College-level Reading & Writing

Requisites

Prerequisite
 Academic Reading and Writing Levels of 6; CSS 210 and CSS 212, minimum grade "C"

General Education

Request Course Transfer

SN logged 3/9/10

Proposed For:**Student Learning Outcomes**

1. The student is prepared to register for and complete the CISSP certification examination.

Assessment 1

Assessment Tool: Externally-developed practice certification examination.

Assessment Date: Fall 2012

Assessment Cycle: Every Three Years

Course section(s)/other population: Minimum of two sections over the three year period.

Number students to be assessed: All students in selected sections.

How the assessment will be scored: Exams are scored and evaluated with department-developed rubric.

Standard of success to be used for this assessment: At least 80% of students must score 75% or better.

Who will score and analyze the data: Department Faculty and external sources (if available).

Course Objectives

1. List Access Control Systems and Methodologies.

Methods of Evaluation

Exams/Tests

Individual or Group Performance, Project or Presentation

Lab Activity, Report or Test

Matched Outcomes

1. The student is prepared to register for and complete the CISSP certification examination.

2. Detail processes involved in developing secure Applications and Systems.

Methods of Evaluation

Exams/Tests

Individual or Group Performance, Project or Presentation

Matched Outcomes

1. The student is prepared to register for and complete the CISSP certification examination.

3. Conduct business continuity planning.

Methods of Evaluation

Exams/Tests

Individual or Group Performance, Project or Presentation

Lab Activity, Report or Test

Matched Outcomes

1. The student is prepared to register for and complete the CISSP certification examination.

4. Recognize the various forms of Cryptography and its application in secure computing environments.

Methods of Evaluation

Exams/Tests

Individual or Group Performance, Project or Presentation

Lab Activity, Report or Test

Matched Outcomes

1. The student is prepared to register for and complete the CISSP certification examination.

5. Develop risk management models pertaining to information security.

Methods of Evaluation

Exams/Tests

Individual or Group Performance, Project or Presentation

Lab Activity, Report or Test

Matched Outcomes

1. The student is prepared to register for and complete the CISSP certification examination.
6. Recognize the various types of computer crimes and applicable Federal statutes. Identify the various codes of ethics of Federal regulatory agencies, the Internet Activities Board, and other agencies.

Methods of Evaluation

Exams/Tests
 Individual or Group Performance, Project or Presentation
 Lab Activity, Report or Test

Matched Outcomes

1. The student is prepared to register for and complete the CISSP certification examination.
7. Recognize the various audit and monitoring mechanisms necessary to protect hardware, resources, and access.

Methods of Evaluation

Exams/Tests
 Individual or Group Performance, Project or Presentation
 Lab Activity, Report or Test

Matched Outcomes

1. The student is prepared to register for and complete the CISSP certification examination.
8. Recognize important considerations of physical security as it affects information integrity in organizations.

Methods of Evaluation

Exams/Tests
 Individual or Group Performance, Project or Presentation
 Lab Activity, Report or Test

Matched Outcomes

9. Recognize and describe the key principles and concepts critical to securing the organizational IT infrastructure.

Methods of Evaluation

Exams/Tests
 Individual or Group Performance, Project or Presentation
 Lab Activity, Report or Test

Matched Outcomes

1. The student is prepared to register for and complete the CISSP certification examination.
10. Recognize the OSI and DOD networking models and their application in wired or wireless local and wide area networks.

Methods of Evaluation

Exams/Tests
 Individual or Group Performance, Project or Presentation
 Lab Activity, Report or Test

Matched Outcomes

1. The student is prepared to register for and complete the CISSP certification examination.

New Resources for Course**Course Textbooks/Resources**

Textbooks

Harris, Shon. *CISSP All-in-One Exam Guide*, 5th ed. McGraw-Hill, 2010, ISBN: 9780071602174.

Manuals

Periodicals

Software

Other

Equipment/Facilities

Level III classroom