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Course Proposal: Modify

Please review the following information:

1. Course: **CSC 455 Enterprise Security**
2. Term/Year: **Fall 2014**
3. CIP CODE/10 Digit Program Code: **1110030006**
4. Current Course Title: **Enterprise Security**
Modified Course Title: **N/A**
5. What is the primary reason you are modifying this course:
The computer science faculty have determined that the course is not well-suited for majors and minors in computer science and computer information systems.
6. Enter course description exactly as it will appear in the general/graduation bulletin:
CSC 455 Enterprise Security - Practical approaches to ensuring the security of information systems.
7. Enter modified course description exactly as it will appear in the general/graduation bulletin:
CSC 455 Enterprise Security - Practical approaches to ensuring the security of information systems. May not be used to satisfy computer science requirements for a major or minor in computer science or computer information systems.
8. Current Prerequisites:
N/A
9. Modified Prerequisites:
N/A

10. College: **College of Science/Mathematics**

11. Department Teaching Course: **Computer Science**

12 Instruction Type: **N/A**

13. Modified Credit Hours Maximum: **N/A**

Credit Hours Minimum: **N/A**

Maximum Hours counted toward degree: **N/A**

14. Maximum contact hours each week Fall Semester: **N/A**

15. May this course be taken more than one time each semester? **N/A**

16. Grade Type: **N/A**

17. Describe the place of the modified course within your current curriculum. (Will it be elective or required? Part of a major or a minor?)

NA

18. How does the modified course differ from similar courses being offered at Stephen F. Austin?

NA

19. Syllabus: Course Learning Goals

List course objectives; describe what students who complete the course will now or be able to do.

1. Demonstrate an understanding of the computer security field through identification of need, social 2. issues, risk assessment and planning. 3. Demonstrate an understanding of the threats and controls for operating system and network security and to study specific system vulnerabilities. 4. Identify techniques of disaster planning and recovery. 5. Identify the tools and techniques of digital forensics. 6. Describe current topics in the computer security field.

20. Syllabus: Course Outline

List the topics that the proposed course will cover and indicate the approximate proposed amount of time to be devoted to each, either by percent of course time or number of weeks. Please indicate which topics will be required in all sections of the course and which may vary.

N/A

21. Any Other Information.

NA

22. Program Learning Outcomes

List the program learning outcomes addressed in this course as identified in the course matrix for your degree program. If your department requires a listing of all Program Learning Outcomes (PLOs) on the syllabus, please identify those that are directly taught in this course. If this is a general education core curriculum course and no PLOs are taught in this course then insert the following statement under this heading:

This is a general education core curriculum course and no specific program learning outcomes for this major are addressed in this course.

ITEC BA Obj 1 Students will possess effective oral and written communication skills. ITEC BA Obj 2 Students will be aware of current ethical issues in the computing industry and will have an appreciation for their responsibilities as computer professionals. ITEC BA Obj 3 Students will be familiar with a variety of programming languages, operating systems, and platforms. ITEC BA Obj 4 Students can use practical knowledge and problem-solving skills to develop solutions to a variety of technology problems

23. General Education Core Curriculum Objectives/Outcomes

List the Exemplary Educational Objectives (EEOs) for this course if the course is included in the general education core curriculum. If you have reworded the EEOs as outcomes for your course, please be sure that the original intent of the EEO is retained.

NA

24. Student Learning Outcomes

List all student learning outcomes (SLOs) for this course including the course specific student learning outcomes that support the PLOs above. In general, SLOs in a course that support the PLOs are specific and include the exact knowledge, skill or behavior taught in the course that supports the more global PLOs. For additional information on meaningful and measurable learning outcomes see the assessment resource page

<http://www.sfasu.edu/assessment/index>

1. Demonstrate an understanding of the computer security field through identification of need, social 2. issues, risk assessment and planning. 3. Demonstrate an understanding of the threats and controls for operating system and network security and to study specific system vulnerabilities. 4. Identify techniques of disaster planning and recovery. 5. Identify the tools and techniques of digital forensics. 6. Describe current topics in the computer security field.

25. Syllabus: Modified Textbook/Assigned Reading Materials for course:

NA

26. Course Requirements

Describe the major course requirements, assignments, examinations, projects.

There will be multiple assignments, group projects, oral presentations, and written work. There will be three tests and a final examination.

27. Course Calendar

Create a tentative timeline for the course. At a minimum, list the topics that the course will cover and indicate the approximate amount of time to be devoted to each, either by percent of course time or number of weeks. The calendar should provide information for the maximum number of weeks scheduled for the course.

Introduction and Scope 7% Legal, Ethical, Professional Issues Risk Management and Planning Personnel, Physical, and Maintenance Security Issues Security Assessment 22% Attack Vectors, Vulnerability Assessment and Audit Disaster Planning Security Implementation Policy 7% Intrusion Prevention, Detection, and Recovery . 22% Authentication Firewalls 22% Architecture, Components, Bastion Hosts Cryptography 6% Virtual Private Networks 4% Current Topics 3.3% Exams 6.7%

28. Grading Policy

Describe how the grade for the course is determined.

Assignments count for 40% of the total grade. Examinations count for 50% of the total grade. Attendance and constructive class participation count 10% of the total grade.

29. Attendance Policy

State your attendance policy.

Attendance and constructive class participation are expected. This is worth 10% of your grade (1 letter grade).

30. Academic Integrity (A-9.1)

Academic integrity is a responsibility of all university faculty and students. Faculty members promote academic integrity in multiple ways including instruction on the components of academic honesty, as well as abiding by university policy on penalties for cheating and plagiarism.

Definition of Academic Dishonesty

Academic dishonesty includes both cheating and plagiarism. Cheating includes but is not limited to (1) using or attempting to use unauthorized materials to aid in achieving a better grade on a component of a class; (2) the falsification or invention of any information, including citations, on an assigned exercise; and/or (3) helping or attempting to help another in an act of cheating or plagiarism. Plagiarism is presenting the words or ideas of another person as if they were your own. Examples of plagiarism are (1) submitting an assignment as if it were one's own work when, in fact, it is at least partly the work of another; (2) submitting a work that has been purchased or otherwise obtained from an Internet source or another source; and (3) incorporating the words or ideas of an author into one's paper without giving the author due credit.

Please read the complete policy at http://www.sfasu.edu/policies/academic_integrity.asp

31. Withheld Grades Semester Grades Policy (A-54)

Ordinarily, at the discretion of the instructor of record and with the approval of the

academic chair/director, a grade of WH will be assigned only if the student cannot complete the course work because of unavoidable circumstances. Students must complete the work within one calendar year from the end of the semester in which they receive a WH, or the grade automatically becomes an F. If students register for the same course in future terms the WH will automatically become an F and will be counted as a repeated course for the purpose of computing the grade point average.

32. Students with Disabilities

To obtain disability related accommodations, alternate formats and/or auxiliary aids, students with disabilities must contact the Office of Disability Services (ODS), Human Services Building, and Room 325, 468-3004 / 468-1004 (TDD) as early as possible in the semester. Once verified, ODS will notify the course instructor and outline the accommodation and/or auxiliary aids to be provided. Failure to request services in a timely manner may delay your accommodations. For additional information, go to <http://www.sfasu.edu/disabilityservices>.

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