CALIFORNIA STATE UNIVERSITY CHANNEL ISLANDS

COURSE MODIFICATION PROPOSAL

Courses must be submitted by November 3, 2008, to make the next catalog (2009-2010) production

DATE (CHANGE DATE EACH TIME REVISED): OCTOBER 7, 2008 REV 11.17.08

PROGRAM AREA(S): COMPUTER SCIENCE

Directions: All of sections of this form must be completed for course modifications. All documents are stand alone sources of course information.

1. Course Information.

[Follow accepted catalog format.] (Add additional prefixes if cross-listed)

OLD

Prefix COMP Course# 424 Title Computer System Security
Units (3)
3 hours lecture per week
hours blank per week

Prerequisites: Comp 350
Consent of Instructor Required for Enrollment
Corequisites:

Catalog Description (Do not use any symbols):

NEW

Prefix COMP Course# 424 Title Computer System Security
Units (3)
3 hours lecture per week
hours blank per week

Prerequisites: Comp 350 and Comp 362
Consent of Instructor Required for Enrollment
Corequisites:

Catalog Description (Do not use any symbols):

2. Mode of Instruction (Hours per Unit are defaulted)

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Hegis Code(s)___________________________________
(Provided by the Dean)

3. Course Attributes:
General Education Categories: All courses with GE category notations (including deletions) must be submitted to the GE website: http://summit.csuci.edu/geapproval. Upon completion, the GE Committee will forward your documents to the Curriculum Committee for further processing.

A (English Language, Communication, Critical Thinking)
- A-1 Oral Communication
- A-2 English Writing
- A-3 Critical Thinking

B (Mathematics, Sciences & Technology)
- B-1 Physical Sciences
- B-2 Life Sciences – Biology
- B-3 Mathematics – Mathematics and Applications
- B-4 Computers and Information Technology

C (Fine Arts, Literature, Languages & Cultures)
- C-1 Art
- C-2 Literature Courses
- C-3a Language
- C-3b Multicultural

D (Social Perspectives)

E (Human Psychological and Physiological Perspectives)
- UDIGE/INTD Interdisciplinary
- Meets University Writing Requirement
- Meets University Language Requirement

American Institutions, Title V Section 40404:
- Government
- US Constitution
- US History

Refer to website, Exec Order 405, for more information: http://senate.csuci.edu/comm/curriculum/resources.htm

Service Learning Course (Approval from the Center for Community Engagement must be received before you can request this course attribute).

4. Justification and Requirements for the Course. [Make a brief statement to justify the need for the course]

OLD
This course is an elective course for Computer Science majors.

NEW
This course is an elective course for Computer Science majors.

☐ Requirement for the Major/Minor
☒ Elective for the Major/Minor

Submit Program Modification if this course changes your program.

5. Learning Objectives. (List in numerical order)
Upon completion of the course, the student will be able to:

OLD
1. Discuss and design modern security protocols.
2. Assess vulnerabilities of computer systems and corresponding threats
3. Explain impediments to security
4. Assess the strength of a cryptographic system
5. Organize and express ideas clearly and convincingly in oral and written forms.

NEW
1. Discuss and design modern security protocols.
2. Assess vulnerabilities of computer systems and corresponding threats
3. Explain impediments to security
4. Assess the strength of a cryptographic system
5. Organize and express ideas clearly and convincingly in oral and written forms..

6. Course Content in Outline Form. (Be as brief as possible, but use as much space as necessary)

OLD
1. Introduction
2. Encryption
3. Viruses and Covert Channels
4. Operating System Security
5. Data Base security
6. Networks and Distributed System Security

NEW
1. Introduction
2. Encryption
3. Viruses and Covert Channels
4. Operating System Security
5. Data Base security
6. Networks and Distributed System Security

Does this course content overlap with a course offered in your academic program? ☐ Yes ☒ No
If YES, what course(s) and provide a justification of the overlap.

Does this course content overlap a course offered in another academic area? ☐ Yes ☒ No

If YES, what course(s) and provide a justification of the overlap.

Overlapping courses require Chairs’ signatures.

7. Cross-listed Courses (Please note each prefix in item No. 1)
   A. List cross-listed courses (Signature of Academic Chair(s) of the other academic area(s) is required).
   B. List each cross-listed prefix for the course:
   C. Program responsible for staffing:

8. References. [Provide 3-5 references]


9. Tenure Track Faculty qualified to teach this course.
   All Computer Science faculty

10. Requested Effective Date or First Semester offered: Fall 2009

11. New Resource Requested: ☐ Yes ☒ No
    If YES, list the resources needed.
    A. Computer Needs (data processing, audio visual, broadcasting, other equipment, etc.)
    B. Library Needs (streaming media, video hosting, databases, exhibit space, etc.)
    C. Facility/Space/Transportation Needs:
    D. Lab Fee Requested: ☐ Yes ☐ No. Refer to the Dean’s Office for additional processing
    E. Other.

12. Indicate Changes and Justification for Each. [Check all that apply and follow with justification. Be as brief as possible but, use as much space as necessary.]

    ☐ Course title
    ☐ Prefix/suffix
    ☐ Course number
    ☐ Units
    ☐ Staffing formula and enrollment limits
    ☒ Prerequisites/Corequisites
    ☐ Catalog description
    ☐ Mode of Instruction
    ☐ Course Content
    ☐ Course Learning Objectives
    ☐ References
    ☐ GE
    ☐ Other
    ☐ Reactivate Course

    Justification: Students need to have the Operating System background from Comp 362 in order to understand Operating System security

13. Will this course modification alter any degree, credential, certificate, or minor in your program? YES ☐ NO ☒
    If, YES attach a program update or program modification form for all programs affected.
    Priority deadline for New Minors and Programs: October 6, 2008 of preceding year.
Priority deadline for Course Proposals and Modifications: November 3, 2008.
Last day to submit forms to be considered during the current academic year: April 15th.

William Wolfe 10/7/08

Proposer(s) of Course Modification Date
Type in name. Signatures will be collected after Curriculum approval.
Approval Sheet

**Course:** Comp 424

If your course has a General Education Component or involves Center affiliation, the Center will also sign off during the approval process.

Multiple Chair fields are available for cross-listed courses.

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