California State University San Marcos • NEW COURSE • FORM C

ORIGINATOR'S SECTION:

1. College:

□ **CHABSS** □ **CoBA**
□ **CoEHHS** ☒ **CSM**

Desired Term and Year of Implementation (e.g., Fall 2008):

Fall 2016

2.Course is to be considered for G.E.? (If yes, also fill out appropriate GE form*) □ Yes ☒ No

3. Course will be a variable-topics (generic) course? □ Yes ☒ No
("generic" is a placeholder for topics)

4. Course abbreviation and Number:* MCS 500

5. Title: ***(Titles using jargon, slang, copyrighted names, trade names, or any non-essential punctuation may not be used.)***
Introduction to Cybersecurity

6. Abbreviated Title for PeopleSoft:
(no more than 25 characters, including spaces)
Intro cybersec

7. Number of Units: 2

8. Catalog Description: ***(Not to exceed 80 words; language should conform to catalog copy. Please consult the catalog for models of style and format; include all necessary information regarding consent for enrollment, pre- and/or corequisites, repeated enrollment, crosslisting, as detailed below. Such information does not count toward the 80-word limit.)***

Provides an overview of the field of cybersecurity, including different role players, common terms, fundamental technical elements, and fundamental management elements. Students will be required to report on current events in cybersecurity.

Enrollment is restricted to those in the Master of Cybersecurity program.

9. Why is this course being proposed?

Based on the experience with the first cohort we have discovered that the students need an overview of the field in their very first semester.

10. Mode of Instruction*

For definitions of the Course Classification Numbers:
http://www.csusm.edu/academic_programs/curriculumscheduling/catalogcurricula/DOCUMENTS/Curricular_Forms_Tab/Instructional%20Mode%20Conventions.pdf

Type of Instruction	**Number of Credit Units**	**Instructional Mode (Course Classification Number)**
Lecture	2	c-2
Activity		
Lab		

11. Grading Method:*

☒ Normal (N) *(Allows Letter Grade +/-, and Credit/No Credit)*
□ Normal Plus Report-in-Progress (NP) *(Allows Letter Grade +/-, Credit/No Credit, and Report-in-Progress)*
□ Credit/No Credit Only (C)
□ Credit/No Credit or Report-in-Progress Only (CP)

12. If the (NP) or (CP) grading system was selected, please explain the need for this grade option.

13. Course Requires Consent for Enrollment? □ Yes ☒ No

□ Faculty □ Credential Analyst □ Dean □ Program/Department - Director/Chair

14. Course Can be Taken for Credit More than Once? □ Yes ☒ No
If yes, how many times? (including first offering)

15. Is Course Crosslisted: □ Yes ☒ No

If yes, indicate which course and check "yes" in item #22 below.

16. Prerequisite(s): □ Yes ☒ No

* If Originator is uncertain of this entry, please consult with Program/Department Director/Chair.

17. Corequisite(s): □ Yes ☒ No

18. Documentation attached:
□ Syllabus ☒ Detailed Course Outline

19. If this course has been offered as a topic, please enter topic abbreviation, number, and suffix:*

20. How often will this course be offered once established?* Once a year in the fall semester

PROGRAM DIRECTOR/CHAIR - COLLEGE CURRICULUM COMMITTEE SECTION:
(Mandatory information – all items in this section must be completed.)

21. Does this course fulfill a requirement for any major (i.e., core course or elective for a major, majors in other departments, minors in other departments)? ☒ Yes □ No

If yes, please specify:
Master of Cybersecurity – a required course

22. Does this course impact other discipline(s)? ***(If there is any uncertainty as to whether a particular discipline is affected, check "yes" and obtain signature.)*** □ Yes ☒ No

If yes, obtain signature(s). Any objections should be stated in writing and attached to this form.

Discipline ______________________ ____________ ______Support
______Oppose
Signature Date

Discipline ______________________ ____________ ______Support
______Oppose
Signature Date

SIGNATURES : (COLLEGE LEVEL) :

Rika Yoshii 3-23 16
1. Originator (please print or type name) Date

5-3-16
2. Program Director/Chair Date

5/2/2016
3. College Curriculum Committee Date

5/3/16
4. College Dean (or Designee) Date

(UNIVERSITY LEVEL)

5. UCC Committee Chair Date

6. Vice President for Academic Affairs (or Designee) Date

7. President (or Designee) Date

* If Originator is uncertain of this entry, please consult with Program/Department Director/Chair.

Course Outline: MCS 500 Introduction to Cybersecurity (2)

This class prepares the students for the rest of the courses in the Master in Cybersecurity program.

Course Description:

Provides an overview of the field of cybersecurity, including different role players, common terms, fundamental technical elements, and fundamental management elements. Students will be required to report on current events in cybersecurity.

2 unit lecture only

Required Readings:

- Cybersecurity Foundations: An Interdisciplinary Introduction
  by Lee Mark Zeichner · Zeichner Risk Analytics ·ISBN 1939798094
- Many news articles.

List of Topics:

Part 1 of the course: (1 week)

- Definition of cybersecurity
- Jobs in cybersecurity

Part2 of the course: (6 weeks)

- Roles in people in securing an organization
- Typical terminology and concepts associated with the technical side
- Typical terminology and concepts associated with the management side

Part 3 of the course: (8 weeks)

- Typical communication methods using in the cybersecurity industry
- Review of current events (communicate about them using the knowledge from Part 2 of the course and using appropriate communication methods)

Student learning outcomes:

Upon successful completion of the course, students will be able to:

1. Describe different organizational roles in securing an organization.
2. Comprehend and describe current events in cybersecurity.
3. Describe the fundamental principles used in the information security field.
4. Define typical terminology and concepts associated with the cybersecurity industry.
5. Apply appropriate communication methods typically used in the cybersecurity industry.

Typical Evaluation Components:

Homework assignments	25%
Presentations on current events	25%
Quizzes	25%
Final Exam	25%