## COSC 216 Introduction to Cyber Security-CrsRvs-2019-03-23

• The workflow icon is no longer available. Please click on the Page Status after the orange circle icon near the page title. \*

Form Information

(i) The page you originally access is the global template version. To access the template document that progresses through the workflow, please complete the following steps:

First Step: ONLY change the text in the [brackets] so it looks like this: CRIM 101 Intro to Criminology-CrsRvs-2015-08-10

• If DUAL LISTED list BOTH courses in the page title

Second Step: Click "SAVE" on bottom right

- DO NOT TYPE ANYTHING INTO THE FIRST PAGE OTHER THAN THE TEXT IN BRACKETS
- Please be sure to remove the Brackets while renaming the page

Third Step: Make sure the word <u>DRAFT</u> is in yellow at the top of the proposal

Fourth Step: Click on "EDIT CONTENTS" (*NOt* EDIT) and start completing the template. When exiting or when done, click "SAVE" (*NO* t Save Draft on bottom right

When ready to submit click on the workflow icon and hit approve. It will then move to the chair as the next step in the workflow. \*Indicates a required field

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Course Level\* undergraduate-level

## **Course Revisions**

(Check all that apply; fill out categories below as specified; i.e. if only changing a course title, only complete Category A)

Category A:	Category B:
catalog_desc_change course_prefix_number_change course_title_change	course_prefix_number_change course_revision
mod_prereq	* Teacher Education: Please complete the Teacher
	Education section of this form (below)
	* Liberal Studies: Please complete the Liberal Studies
	section of this form (below)
	* Distance Education: Please complete the Distance
	Education section of this form (below) - Please check the APPROVED DE Course List - ON DOCUMENTS PAGE <u>before</u> completing this Section If already approved - you DO NOT need to do a DE proposal

**Rationale for Proposed Changes (All Categories)** 

(I) Repeatabl e Course This is for a course that can be repeated Multiple times e.g. Internship	Number o	ease complete the following: f Credits that May be Repeated: Number of Credits Allowed to be Repeated:		
Propose d Repeatabl e Course	Number of	If YES, please complete the following: Number of Credits that May be Repeated: Maximum Number of Credits Allowed to be Repeated:		
(J) Number of Credits Propose d Number of Credits	Class Hours per week:3 Lab Hours:0 Credits:3 Class Hours:Lab Hours:Credits:			
(K) Current Course St udent Learning Outcomes (SLOs)	<ol> <li>Write a suitable set of security policies for different scenarios.</li> <li>Apply various access control techniques.</li> <li>Compare the basic tools and techniques used to attack systems.</li> <li>Explain the different types of attacks.</li> <li>Specify procedures for password/username management.</li> <li>Explore the use of security tools in defending user/group accounts.</li> <li>Explore techniques for integrity management.</li> <li>Demonstrate the use of logging, auditing, and backup techniques for security.</li> <li>Explain the basic cryptography concepts.</li> </ol>			
(L) Proposed Course St	Note that	the text box in the table expands		
udent	SLO #	Outcome	How outcome is assessed	
Learning O utcomes (SLOs)	1	Recognizutcome		
For each outcome, describe how				
the outcome will be achieved				

(M)	As outlined by the federal definition of a "credit hour", the following should be a consideration
Previous Brief	regarding student work - For every one hour of classroom or direct faculty instruction,
Course	there should be a minimum of two hours of out of class student work
Outline	
	<ul> <li>Tegratery problems in the formation of calculation of accurate body instruction, there should be a minimum of two hours of out of class student work.</li> <li>1. Overview of computer security <ul> <li>a. Definition and discussion of computer security</li> <li>b. Security problems in computing</li> </ul> </li> <li>2. Attacks to Host Computer Systems <ul> <li>a. Attacker profiles</li> <li>b. Attacking strategies</li> </ul> </li> <li>3. Introduction to an operating system <ul> <li>b. Operating system user administrative commands</li> <li>b. Operating system user administrative commands</li> <li>c. Operating system user administrative commands</li> <li>c. Operating system user administrative commands</li> <li>c. Authentication and Authentication</li> <li>a. Managing username and passwords</li> <li>b. Password management utilities</li> <li>c. Authentication techniques</li> <li>d. Use of password cracking tools</li> </ul> </li> <li>5. File systems and access control <ul> <li>a. File overship and user groups</li> <li>b. Strategies for defending group accounts</li> <li>c. working with files/diffectories</li> <li>d. Use of integrity checking tools</li> </ul> </li> <li>7. File System and security <ul> <li>a. Checksum and signatures</li> <li>d. Use of integrity checking tools</li> </ul> </li> <li>7. File System and security files <ul> <li>b. Stating up access control files</li> <li>c. Checksum and security</li> </ul> </li> <li>B. Cracksourd anagement</li> <li>t. Electronic exoder management</li> <li>t. Electronic exoder management</li></ul>
	12. 13.
	13. 14.

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the ways of modeling the natural, social and technical worlds
The aesthetic facets of human experience
the past and present from historical, philosophical and social perspectives
the human imagination, expression and traditions of many cultures
the interrelationships within and across cultures & global communities
the interrelationships within and across disciplines

