

## NORFOLK STATE UNIVERSITY

**SEMESTER AND YEAR:** Spring 2018

**COURSE NUMBER, TITLE, CREDIT HOURS:** SOC-410, Socio-Cybersecurity, 3 Credit Hours

**CLASS MEETINGS:** T/Th 11am-12:30pm, TBD

### **INSTRUCTOR NAME, TITLE, DEPARTMENT, AND OFFICE HOURS**

Dr. Carlene Turner, Associate Professor, Sociology Department

Office Hours: Mon., Wed. 12-3pm & Th. 10-11am

### **INSTRUCTOR CONTACT INFORMATION**

Brown Memorial Hall A254, (757) 276-2728, [cmtturner@nsu.edu](mailto:cmtturner@nsu.edu)

Sociology Department: Brown Memorial Hall, (757) 823-9454

### **COURSE DESCRIPTION, PREREQUISITES, CO-REQUISITES**

A one-semester, undergraduate-level course, this course examines the socio-culture aspects of cybersecurity and its accompanying social problems. Cybersecurity is as situated in social deviance theory framework in order to explain the role of policing and the judicial system. Cybersecurity position in pivotal social institutions will also be examined. Students will also apply social science research to cybersecurity and for managerial best-practices for handling big data. **PREREQUISITE:** Instructor's approval.

### **COURSE RATIONALE**

The goal of this course is to teach cybersecurity to non-computer science undergraduate students. This should increase the cybersecurity awareness of the students.

### **LEARNING OUTCOMES**

By the end of the course, students will be able to:

- Identify the fundamental concepts of socio-cybersecurity.
- Identify the norms of the cybersecurity sub-culture
- Apply deviance typologies to cybersecurity breeches
- Explain the role of cybersecurity in modern bureaucracies
- Apply social research and data analytical methods to cybersecurity operations
- Describe the future of socio-cybersecurity based on contemporary parameters.

### **TEXTBOOK**

- Shakarian , [Paulo; Shakarian](#), Jana; and [Ruef](#), Andrew. (2013). **Introduction to Cyber-Warfare: A Multidisciplinary Approach**, 1st Edition. Syngress, Waltham, MA. ISBN-13: 978-0124078147, ISBN-10: 0124078141.

#### **•Selected Readings**

### **ONLINE LEARNING RESOURCES**

- N/A

### **PRIMARY METHODS OF INSTRUCTION**

Methods include lecture, demonstrations, labs, and projects.

### **COURSE OUTLINE / CALENDAR**

Learning Unit - Weeks	Number	Topic To Be Covered During This Period
<b>Module</b>	<b>1</b>	<b>Introduction</b>
Week	1	Introduction to Socio-Cybersecurity
<b>Module</b>	<b>2</b>	<b>Cybersecurity Culture</b>
Week	2	Cybersecurity as a Social Good

Week	3	Hacking Sub-Culture – A Social Psychological Perspective
<b>Module</b>	<b>3</b>	<b>Cybersecurity and Deviance</b>
Week	4	Cyber Ethics and Theories of Deviance
Week	5	Policing and Cybersecurity
Week	6	The Courts and Cybersecurity
<b>Module</b>	<b>4</b>	<b>Cybersecurity Within Social Institutions</b>
Week	7	Cybersecurity as Bureaucracy (Organizational Sociology)
Week	8	Cybersecurity Education
Week	9	Cybersecurity in Government Institutions
Week	10	Cybersecurity and National Security
<b>Module</b>	<b>5</b>	<b>Applied Sociology &amp; Data Integrity</b>
Week 11	11	Cybersecurity in Social Science Research
Week 12	12	Cybersecurity and Data Analysis: The Case for Big Data
		<b>Way Forward</b>
Week 13	13	Future of Socio Cybersecurity
<b>END OF COURSE</b>		

### RELATED UNIVERSITY-WIDE AND COURSE-SPECIFIC REQUIREMENTS

This course emphasizes critical thinking and problem-solving.

### EVALUATION / ASSESSMENT METHODS

- Mid Semester Exam ..... 20%
- Quizzes & Labs ..... 20%
- Projects/Presentations ..... 55%
- Attendance & class participation ..... 5%

*\* The instructor reserves the right to revise the grading criteria as appropriate and will make reasonable attempts to notify students.*

### GRADING STANDARDS / EVALUATION CRITERIA

The grading scale

- |                  |                  |
|------------------|------------------|
| • A = 94% - 100% | • C+ = 77% - 79% |
| • A- = 90% - 93% | • C = 76% - 74%  |
| • B+ = 87% - 89% | • C- = 76% - 70% |
| • B = 86% - 84%  | • D+ = 69% - 67% |
| • B- = 83% - 80% | • D = 66% - 60%  |
| • F = 60% below  |                  |

*\* The instructor reserves the right to revise the grading criteria as appropriate and will make reasonable attempts to notify students.*

All lab assignments, projects, reports, and presentations must be completed by the deadlines. Late submissions will be assessed penalty or forfeiture.

### ACADEMIC INTEGRITY STANDARDS

The Sociology Department adheres to the University Policy on class attendance and University Standards on Honesty and Honor Code. In addition, students are required to follow classroom rules. Turn off cell phones, iPods, and other electronic devices. No side conversations, instant messaging, emailing, unauthorized web surfing, or other disruptive behaviors.

*E-Mail Policy: Students must check their NSU-email accounts often and regularly for announcements and correspondence for this course.*

**AMERICANS WITH DISABILITIES ACT (ADA) STATEMENT**

In accordance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) of 1990, we ask if you have a disability or think you have a disability, please contact O.A.S.I.S., the Office of Accessibility Services, upon registration at Norfolk State University to confidentially discuss any accommodation needs.

Norfolk State University ensures equal access to instruction through collaboration between students with disabilities, instructors, and O.A.S.I.S. "Reasonable" means the University permits no fundamental alterations of academic standards or retroactive modifications. For more information, please consult nsu.edu. Should you have a disability, including unseen disabilities such as learning disabilities, psychological health injuries (such as PTSD), or cognitive disabilities (such as brain injuries), that requires reasonable accommodations, please contact:

Audrey M. Wells  
Coordinator, O.A.S.I.S.  
Office of Accessibility Services and International Student Services  
Norfolk State University  
700 Park Ave. Student Services Center, Suite 110  
Norfolk, VA. 23504  
Phone: 757-823-8325  
Fax: 757-823-2640  
Email: [amwells@nsu.edu](mailto:amwells@nsu.edu)

**UNIVERSITY ASSESSMENT STATEMENT**

As part of NSU's commitment to provide the environment and resources needed for success, students may be required to participate in a number of university-wide assessment activities. The activities may include tests, surveys, focus groups and interviews, and portfolio reviews. The primary purpose of the assessment activities is to determine the extent to which the university's programs and services maintain a high level of quality and meet the needs of students. Students will not be identified in the analysis of results. Unless indicated otherwise by the instructor, results from University assessment activities will not be computed in student grades.

**RETENTION ALERT ADVISORY**

The Retention Alert policy provides a framework for establishing a campus network of responders including both academic and student affairs agents to increase a safety net so students are less likely to leave the University before graduating. Based on your classroom performance you may be referred to the appropriate responder through Retention Alert.