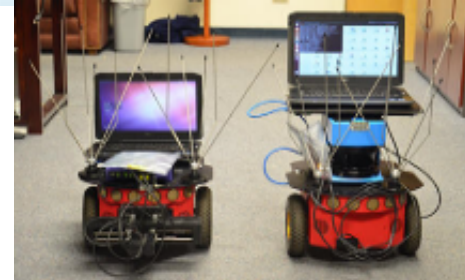
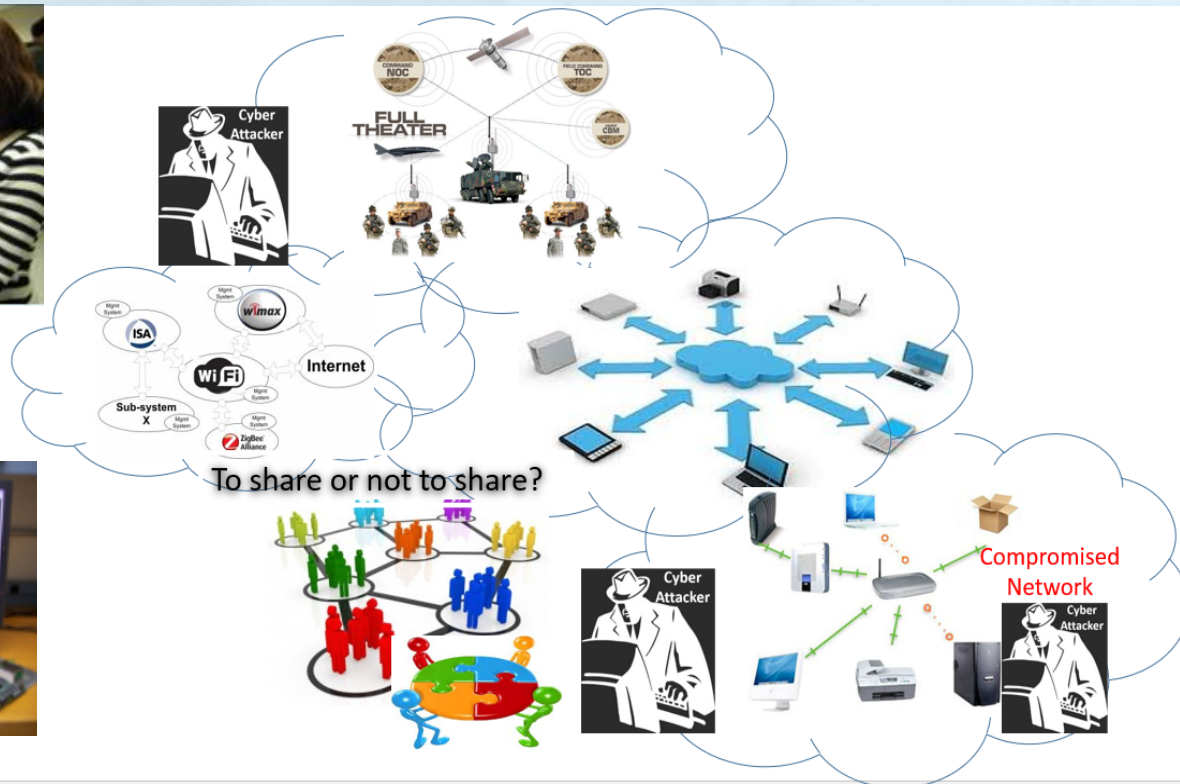




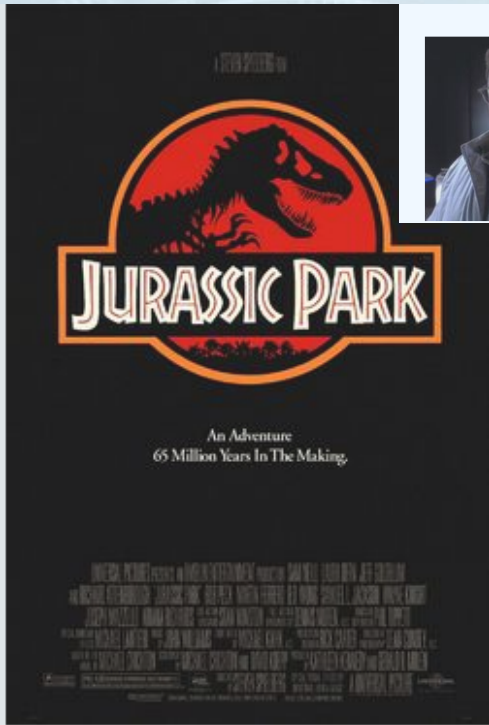
<http://capacity.unr.edu>



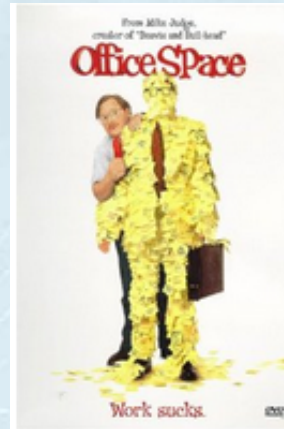
NSF CyberCorps(R): "Collaborative Research: Capacity Building in Cybersecurity-Literacy: An Inter-Disciplinary Approach"

A partnership between UNR and TMCC

Contact: Dr. Shamik Sengupta (ssengupta@unr.edu) and Dr. Bill Doherty (bdoherly@tmcc.edu)



Dennis Nedry



University of Nevada, Reno

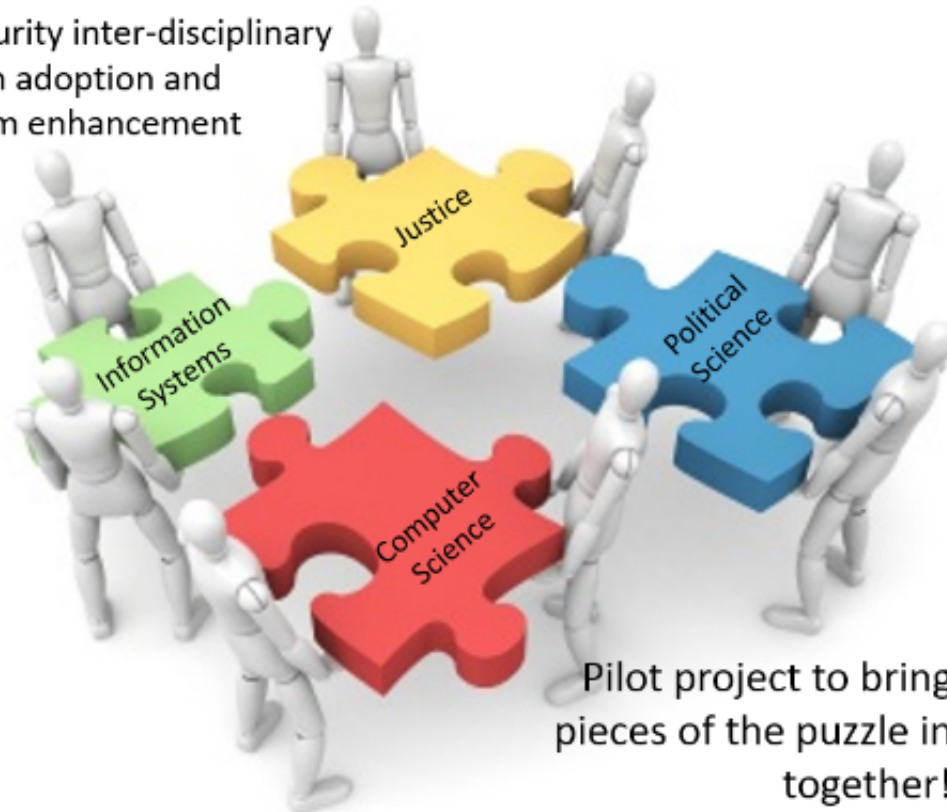
A National Tier 1 University

<http://capacity.unr.edu>



<http://capacity.unr.edu>

Cybersecurity inter-disciplinary
education adoption and
curriculum enhancement



Pilot project to bring
pieces of the puzzle in
together!

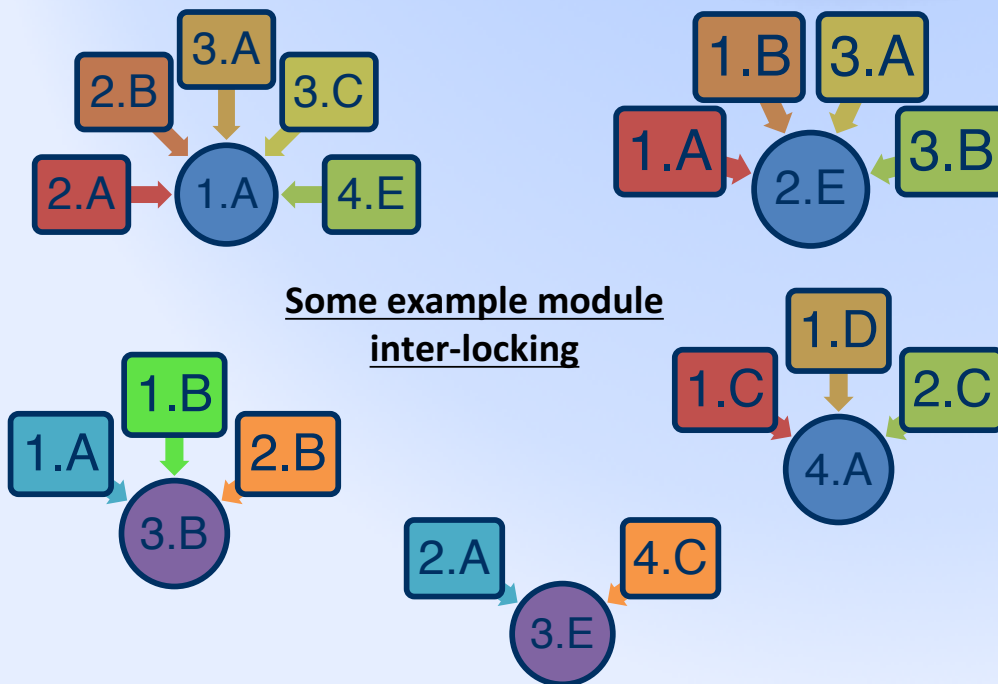
Capacity building in Cybersecurity-literacy: An inter-disciplinary approach



What is the project all about?

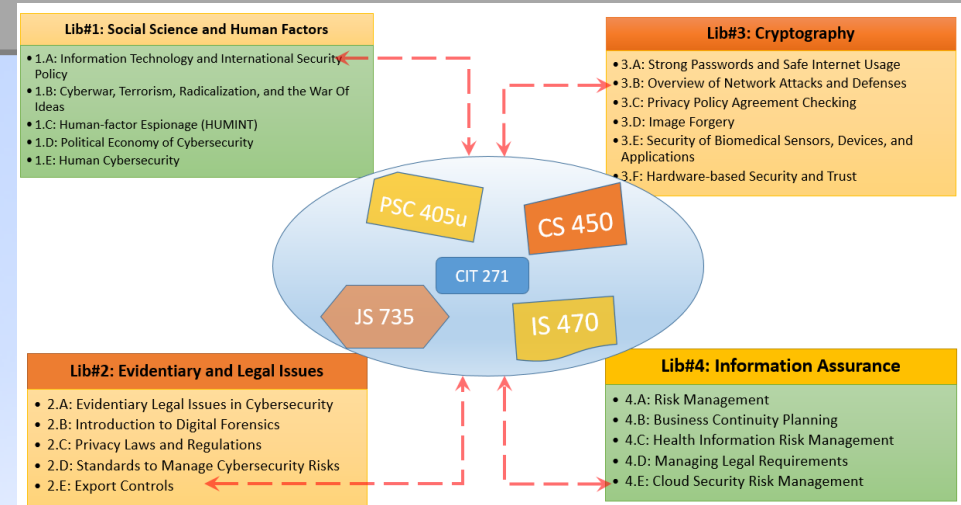
The project is based on a partnership between the University of Nevada, Reno (UNR), and the Truckee Meadows Community College (TMCC). By bringing in scholars from multiple disciplines, this project proposes to explore unique ways to engage students in inter-disciplinary cybersecurity education, to sustain long-term research and education partnerships and to motivate students towards protection of cyberspace.

Inter-disciplinary Cybersecurity Capacity Building



Inter-disciplinary Holistic Cybersecurity

Lib 1: Social Science and Human Factors	Lib 2: Legal Issues	Lib 3: Cryptography Library	Lib 4: Information Assurance
<ul style="list-style-type: none"> Module A: Information Technology and International Security Policy Module B: Cyberwar, Terrorism, Radicalization, and the War of Ideas Module C: Human-factor espionage (HUMINT) Module D: Political economy of cybersecurity Module E: Human cybersecurity 	<ul style="list-style-type: none"> Module A: Evidentiary Issues in Cybersecurity Module B: Introduction to Digital Forensics Module C: Privacy Laws and Regulations Module D: Standards to Manage Cybersecurity Risks Module E: Export Controls 	<ul style="list-style-type: none"> Module A: Strong Passwords and Safe Internet Usage Module B: Overview of Network Attacks and Defenses Module C: Privacy Policy Agreement Checking Module D: Image Forgery Module E: Security of Biomedical Sensors, Devices, and Applications Module F: Hardware-based Security and Trust: 	<ul style="list-style-type: none"> Module A: Risk Management Module B: Business Continuity Planning Module C: Health-Information Risk-Management Module D: Managing Legal Requirements Module E: Cloud Security Risk Management



An example of four modules fused and adopted with appropriate intensity into different target courses

"This work is supported by the National Science Foundation under Grant #1516724."

General Module Design Goals

- ❖ Class content for between 1.5 and 6 hours to allow adaptation for one class period or up to two weeks of class
- ❖ Content appropriate for beginning, intermediate and graduate level students
 - ❖ Presentations, readings and activities can be adjusted based on student population and instructor comfort level.
- ❖ Live training options as well as support discussion forums



Questions?

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