

CMPS 4663 Topics in Computer & Networking Security – Cybersecurity

British Studies Program – London 2021

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Course Description: Cybersecurity is currently one of the most significant issues in computing as a major concern to governments, industry, and individuals. At the heart of the discipline are three key issues: Confidentiality, Integrity, and Availability – the CIA Triad. This course aims to view the current state of cybersecurity through the lens of the CIA Triad, including identification of threats and bad actors, governance and legal issues, cyberattacks and cyberwar, and jobs and the industry.

This course is appropriate for all students with an interest in computers and security.

Learning Objectives:

Within the context of the CIA Triad, and through discussions and writings, students will demonstrate:

- Correct use and understanding of crucial terminology related to cybersecurity,
- Ability to identify threats to security, utilizing recommended assessment tools and procedures,
- Understanding of governance of the internet and current legal issues,
- Consideration of future threats to security and possibility of cyberwar, and
- Impact of government, industry and individuals on the future of cybersecurity and cyberwar.

Materials: Various print and online materials are used for the course.

Other: Assignments are tailored to each student's major.

Attendance & Behavior: Attendance at all class meetings is mandatory. Students will arrive on time and stay for the entire class period. There is a one-letter grade reduction for each unexcused absence during a class period, and there are usually multiple class periods per day. Students will act appropriately and with respect towards all persons involved in this program, including MSU Study Abroad faculty, staff and students, guest speakers, persons on site visits, and others with whom we come in contact. Any behavior deemed inappropriate may result in reduction of course grade and class participation.