**ISEC-615 - Fundamentals of Cybersecurity**

**Cybersecurity Principles Assignment No. 1.**

**Eric Webb**

[**ew774@mynsu.nova.edu**](mailto:ew774@mynsu.nova.edu)

Dr. Yair Levy

Table of Contents.

Begin writing here.

 **Cybersecurity Definitions:** Identify and quote three different definitions of Cybersecurity - with sources, where one should be government source (ensure to quote per APA, cite the reference with exact page number of the source!).

**cybersecurity**  
Definition: The activity or process, ability or capability, or state whereby information and communications systems and the information contained therein are protected from and/or defended against damage, unauthorized use or modification, or exploitation.  
  
Extended Definition: Strategy, policy, and standards regarding the security of and operations in cyberspace, and encompass[ing] the full range of threat reduction, vulnerability reduction, deterrence, international engagement, incident response, resiliency, and recovery policies and activities, including computer network operations, information assurance, law enforcement, diplomacy, military, and intelligence missions as they relate to the security and stability of the global information and communications infrastructure.  
  
Adapted from: CNSSI 4009, NIST SP 800-53 Rev 4, NIPP, DHS National Preparedness Goal; White House Cyberspace Policy Review, May 2009

<https://niccs.us-cert.gov/about-niccs/glossary>

Effective cyber security reduces the risk of cyber attacks and protects against the unauthorised exploitation of systems, networks and technologies.

<https://www.itgovernance.co.uk/what-is-cybersecurity>

**Cybersecurity** refers to a set of techniques used to protect the integrity of networks, programs and data from attack, damage or unauthorized access.

<https://www.paloaltonetworks.com/cyberpedia/what-is-cyber-security>

 **Principles of Cybersecurity:** Identify and quote the definitions of each of the principles of cybersecurity (follow APA!)

 **Overall Security:** In your own words (no quotes, but use references), describe how each of the fundamental concepts of the cybersecurity discipline is used to provide overall system security

 **Assured Operations:** In your own words (no quotes, but use references), describe why each principle is important to security and how it enables the development of security mechanisms that can implement desired security policies in organizations

 **Conclusion:** In your own words (no quotes, but use references), provide a conclusion that summarises the whole paper.

Certificate of Authorship.