CSC8360 S2 2022 PRACTICE 6

**Wireless Security** Due Date: xx/xx/2022

# Objective

The objective of these practice questions is provide an understanding of the mechanisms and measures that are available to assure the physical and logical security of wireless networks.

**Practice Question #1:**

List and describe (in terms of strengths and weaknesses) the security protocols that can be used to encrypt and protect Wi-Fi networks.

**Practice Question #2:**

List and describe the main threats posed on wireless network and the users of this infrastructure.

**Practice Question #3:**

List and describe the additional steps that can be implemented to strengthen the security of wireless networks against malicious attacks and threats, at the network infrastructure level and at network user level.

**Practice Question #4:**

List and describe the over-the-air (ie; Mobile Device to Base Station) ciphering and encryption methods available for a LTE (4G) Cellular Network.

**Practice Question #5:**

What is the impact of Australian Government’s “[Telecommunications Sector Security Reforms](https://www.homeaffairs.gov.au/nat-security/Pages/telecommunications-sector-security-reforms.aspx)” on wireless networking.