CYENG 225 – SP 23: Microcontroller Essentials for Cyber Applications
Instructor: Dr. Shayan (Sean) Taheri
Gannon University (GU)

Scope of Third Exam

Total Points: 30**; Date and Time:** May/04/2023, 8:30 - 10:30 AM**; and Location:** IHK 206.

Note – Cheating and Plagiarism: Cheating and plagiarism are not permitted in any form and cause certain penalties. The instructor reserves the right to fail culprits.

Scope: Study all of the following chapters, but focus more on the specified eight items.

Chapter 3.
1. Secure Processor Architectures. Pages 32-37.

Chapter 4.
2. Protecting Software within Trusted Execution Environments. Pages 43-46.

Chapter 7.
3. Multiprocessor Security. Pages 76-80.
4. Many-Core Processors and Multi-Processor System-on-a-Chip. Pages 81-83.

Chapter 8.
5. Side and Covert Channels. Pages 85-88.
6. Processor Features and Information Leaks. Pages 88-94.

Chapter 9: Pages 103-109.
7. Security Verification Approaches. Pages 105-109.

Chapter 10: Pages 113-115.
8. The Principles. Pages 113-115.

Important Information:

- The exam has the duration time of **90 minutes** and it has **three questions** (i.e., **30 minutes for each question**).
- Make sure to have a suitable understanding of the topics through studying all of the provided materials in the **GU – Blackboard Learn** environment.
- One letter-sized and double-sided paper sheet is allowed.
- Any access to the course materials, the other students in the class, and electronic gadgets is not allowed.
- Access to your own basic and simple calculator is allowed.