ISEC-635 Info Sec Operations Management Assignment 1 Guidelines

**Objectives**

Nowadays, security planning and operations management has become a top priority in small, medium, and large organizations. This assignment aims to explore senior managers’ strategic approach to security operations. The learning outcomes for this assignment are to provide students the ability to examine the placement of security functions in a system and describe the strengths and weaknesses (CPM1). Another learning outcome is to outline and explain the roles of personnel in planning and managing security, including board of directors, senior Management, Chief Information Security Officer (CISO), IT management (CIO, IT Director, etc.), functional area managers, Information Security personnel, and end users (CPM4). Students will become familiar and learn to apply the Strengths-Weaknesses-Opportunities-Threats (SWOT) Matrix to security weakness in the functional areas and relate them to the appropriate stakeholder units in the organization. Finally, students will propose a strategic direction to mitigate such weaknesses.

**Structure**

This security operations management assignment is designed to provide students with hands-on experience solving real-world security challenges. Students will select an organization that they are familiar with to use as the basis for this assignment.

The assignment will consist of one executive summary and one presentation. The presentation will require the preparation of a 10-minute presentation (using PowerPoint) on a specific company.

**Assignment 1 Guidelines**

Prepare a 10-minute presentation with an executive summary of your analysis and solution, focusing on the following guidelines:

1. Overview of a small to medium business that you are familiar with (current workplace, family business, etc.)

2. Description of the security functions in the organization (hardware, software, practices, and people)

3. SWOT Matrix

3.1. Express in your own words what is a SWOT Matrix (p. 16).

3.2. Provide a complete SWOT Matrix related to the information security perspective of the organization and its departments (Hint: Box 1.2 on p. 16 – but note that this SWOT Matrix is more focused on marketing, where yours should be focused on information security operations!).

4. Outline the strategic roles of the following organizational stakeholders in planning and managing security, as well as mitigating the weaknesses that you identified above, including:

− Board of Directors

− Senior Management

− Chief Information Security Officer (CISO)

− IT Management (CIO, IT Director, etc.)

− Functional Area Management

− Information Security personnel

− End users (employees, customers, etc.)

5. The anticipated top three biggest challenges that correspond to the weaknesses that you identified in SWOT Matrix.

**Requirement Summary**

* Your PowerPoint presentation file (about 5 slides) with the embedded audio of you presenting the slides.
* Your executive summary (1 to 2 pages) in Word document format addressing the key guidelines points above.
* Follow the assignment formatting requirements posted in Announcements in course Canvas.