

ISEC 2076 Security Mechanisms

Assignment 1 – Physical Security Assessment

Issued Date: September 6, 2024

Due date: October 11, 2024

Preamble

Objective: The purpose of this assignment is to demonstrate the application of concepts described in Chapter 1 and Chapter 4 of the text. For this assignment you are to **(1)** observe, record and document the current physical security of a stand-alone building and surrounding grounds; and **(2)** you are to make specific, detailed, recommendations on what would be required to move this property from its current security state to one exemplifying a Medium Security facility.

This may be a public or private building but should not be a building where your activities may raise undo suspicions or concern of the occupants. Examples of buildings to be **excluded** may include, but are not limited to, private residences (including multi-unit buildings), law enforcement, military installations, or secure businesses such as Lockheed Martin.

Pay close attention to the Requirements and adhere to the restrictions described below.

Please note: You are not to enter any building, property or access any transportation for this assignment that you would not normally enter or access in the absence of this assignment.

Requirements

A security assessment of a stand-alone building and grounds

As stated above, the final state of the security design, once your recommendations are adopted, is to match a Medium Security facility. Regardless of what the building is now, imagine that it will be purchased and re-purposed by the new owner.

From a safe and unobtrusive distance, you are to conduct a visual assessment of the building, surrounding grounds, and neighbourhood in which the building exists.

Imagine that this building is to be purchased and upgraded to a new Medium Security facility with deterrents matching those described for Category A on page 82 of your text. You are to exclude any review of items such as fence locks, door locks, peep holes or anything that would cause you to approach the building at a time or in a place where you would not otherwise be entitled to go. You may only enter grounds that are deemed to be a Public space. Pay close attention to the CPTED Strategies described on page 20 and Page 83 of the text.

You are NOT to consider or conduct any Design-Reference threat activity. It is not required for this assignment. You MUST include discussion of Layered Protection, Access Controls, Alarm Systems and Sensor integration, Lighting and Communications. You are to describe **(In Part 1)** what is present (through observation at a distance) and **(in Part 2)** what upgrades are required. Be specific in your recommendations.

Use as a guide the methodology described on pages 11-13 of your text. Remember to include a discussion of movement of vehicles and people into or out of the area (i.e., public transportation routes including sources and destinations if relevant, and major road and waterways)

You should conduct at least one daylight observation and one observation after dark. Make notes or voice recordings and take photographs of your observations at the time of acquisition to support and explain your recommendations. The photographs should be included in your final report. Do NOT take or include any photographs where a person's face is visible.

In addition to the written portion, your report should include the following:

- 1) Aerial views of the property which you may obtain through Google Earth. Any images from external sources (i.e., not taken by you) included in your report should be properly referenced under APA standards. However, there should be little need to other references (i.e., you do not have to reference the textbook).
- 2) One or more sketches which describe the layout of the building and property with appropriately labeled points of interest. You should have at least one sketch that indicates the desired placement of any recommended additions such as lighting, sensors, fences etc. In lieu of sketches you may use a photo editing application to label the aerial images obtained through Google earth or other sources.

Submission Guidelines

The assignment is to be uploaded to a Brightspace drop box on or before the due date. The document is to be of professional quality including content, layout, font, grammar, spelling, overall appearance, and structure. *Hint - You should envision that this is a report that you have been asked to formulate for a client or an employer.* Do your best work.

NOTE: There is no requirement for APA referencing in this document other than images where appropriate.

Document name (i.e., filename) **MUST** be of the format: **YourLastName-YourFirstNameISEC2076-As1**

Your document **MUST** include a separate title page containing the **course category** (ISEC) and **number** (2076), **your name**, the **assignment number** (1) and **the assignment title** ("Physical Security Assessment"). All sections and answers to the requirements above should be clearly labelled, and answers clearly written.

Rubric

This assignment is worth 20% of your final mark and it is scored out of 40 points using the following rubric.

Please note that a pass is 60% (24 points) and if all categories are "Condition Somewhat Met" then you can only score a maximum of 20 points and will therefore not receive a passing grade.

Neatness counts!

Total marks:40

Category	Maximum Score if Condition Not Met	Maximum Score if Condition Somewhat Met	Maximum Score if Condition Met
Document Names, Title Page and Sections are clear and well formatted as required.	0	1-2	3-4
Each task is complete and correct	0	1-11	12-22
Assignment submission shows obvious effort and care.	0	1-7	8-14
Total Maximum Points available by column	0	20	40