

Portfolio Project 5.1 (Week 13)
HRVA
KFSC, Fall 2020

Instructions

- a. Read through the asset assignment list, and find the asset assigned to your section squad.
- b. Meet with your squad section to discuss the asset you have been assigned to analyze from a risk-management perspective here in Saudi Arabia.
- c. Collaborate in your online research and analysis, but you must submit your own report in your own writing where you present your own answers to the four-part assignment described below.
- d. Organize a research and writing schedule so you can submit this assignment by 7 December at midnight.
- e. Do not commit plagiarism. Any evidence that the cadet submits English writing that is not their own will result in a zero grade. This includes copying from other cadets, plagiarizing published or Internet sources, and using Google Translate to generate sentences.
- f. You will be graded on your ability to utilize theories, analysis, information, and historical perspective that were addressed in this course. So, please review the course material before starting to work on this project.
- g. State clearly any simplifying assumptions you need to make in order to perform reasonably rational analysis.

1. Hazards

- a. Hazards: Consider your assigned asset and explain what are the three most relevant hazards it faces, and the degree to which they are related to each other. (12.5%)
- b. Assessment: Place your selected hazards in a hazard matrix and justify by estimating the probability and magnitude with valid data. (12.5%)

Rubric for CILO 1

Criteria	Unsatisfactory	Baseline	Developing	Good	Exemplary
Hazards	Does not identify a hazard	Identifies one relevant hazard	Identifies multiple relevant hazards	...and describes potential harm or loss	...and discusses interrelationships among identified hazards
Assessment	Fails to identify probability or magnitude of a hazard.	Identifies probability or magnitude of one hazard	Assesses probability and magnitude of multiple hazards	...and supports assessment with sources or other data	...and critiques assessment including counterarguments

2. Vulnerability Assessment

- a. Assets: Select the hazard with the greatest magnitude in Question 1. Then explain with valid evidence and analysis the three components of your asset's system that are the most critical for securing the asset from that hazard. (8.33%)
- b. Vulnerability: Justify your selection of critical components by explaining the loss that can occur should they get attacked both individually and simultaneously. (8.33%)
- c. Evidence: List the sources you used in the above answers using proper academic conventions. Specify exactly how you used them in your writing to increase the validity of your conclusions. And explain what makes your sources trustworthy? (8.33%)

Rubric for CIL0 2

Criteria	Un-satisfactory	Baseline	Developing	Good	Exemplary
Assets	Does not identify an asset	Identifies one asset	Describes multiple assets	And links to specific hazards	And discusses potential harm hazards pose to each asset.
Vulnerability	Does not identify a vulnerability of an asset.	Identifies one vulnerability of an asset.	Discusses multiple vulnerabilities of assets	...and explains the consequences of each vulnerability in terms of harm	...and speculates on how vulnerabilities can lead to new vulnerabilities
Evidence	No evidence referenced	One piece of evidence from literature referenced	Multiple pieces of evidence from literature referenced	...in accordance with academic conventions	...and with the quality of evidence discussed.

3. Risk Analysis

- a. Technique: Describe the different options one has for calculating risk, and explain which one is most appropriate for the hazard you selected in Question 2. (12.5%)
- b. Risk: Using valid data and historical perspective, estimate the approximate risk to your asset, to include both human and financial perspectives, should each of the three critical components selected in Question 2 get attacked by the selected hazard. (12.5%)

Rubric for CILO 3:

Criteria	Unsatisfactory	Baseline	Developing	Good	Exemplary
Risk	No intersections identified	Identify one intersection between hazards and vulnerabilities.	Identify multiple intersections between hazards and vulnerabilities	...and describes consequent risks	...and discuss range of impact with reference to past examples
Technique	No technique identified or described	Describe multiple techniques	...and apply appropriate technique(s) to current asset	...and explain choices	...and compare and contrast results

4. Risk Management

- a. Best Practice: Explain with valid evidence what the basic strategic approaches are that the MOI should consider to reduce the highest risk assessed in Question 3 to a politically acceptable level in Saudi Arabia. (8.33%)
- b. Mitigation: Within these strategic options, explain and justify three specific tactics that should be prioritized for investment by the government of Saudi Arabia. (8.33%)
- c. Localization: What are some of the shortcomings that might limit the effectiveness of these three tactics in Saudi society? Recommend some ways to remedy these weaknesses. (8.33%)

Rubric for CILO 4:

Criteria	Unsatisfactory	Baseline	Developing	Good	Exemplary
Best Practice	No best practice identified.	One best practice described.	Multiple best practices described	...and advantages explained	...and authority and acceptance discussed.
Localization	No insights derived from best practice.	One insight on usefulness of best practice given a Saudi specific scenario.	Multiple insights on usefulness of best practice given a Saudi specific scenario	...and any disadvantages discussed	...with possible modifications to improve local fit discussed.
Mitigation	No mitigation approach proposed.	Uni-dimensional mitigation approach proposed.	Multi-dimensional mitigation approach proposed	...with realistic design specifications tied to specific vulnerabilities	with a discussion of shortcomings and why they are not serious enough to discard the approach.