## CSSE 490-- NETWORK SECURITY Rose-Hulman Institute of Technology

## Mini Lab 04: Introduction to Firewalls

## Learning Objectives

## At the end of this concept lab, you should be able to:

- Define how a firewall works in the context of a Linux box.
- Experiment with different filtering rules using 'nftables'.
- Add nftables rules to restrict access to your private network for certain individuals and/or applications.

Name:	
name:	

Question	Points	Score
Question 1	5	
Question 2	5	
Question 3	5	
Question 4	5	
Question 5	10	
Total:	30	

Winter 2024-2025	Name:	Network Security
1 Map the ru	nning services	
The questions below	refer to the first step of this mini la	ab.
Question 1. (5 poin	ts) List out the services running or	n the server container.
	ts) For each service running there, nning and reachable.	list a command that you can use to test if
2 Simple n	ft firewall	
The questions be	low refer to the second step of this	concept lab.
_	_	t of the chain we have added to be?
(		
Question 4. (5 poin server containers	,	g a simple command from the client or
Question 5. (10 poi behavior does no	·	ain above to make sure that this observed