

TFES Lab (ME EN 4650)
Heat Exchanger: Grade Sheet*

Student Name:

Lab Section:

	Possible	Score
Plots & Tables:		
1a. Table: flow rate, temperature differences, heat transfer rates	10	
1b. Table: flow rate, Cr, Ui, NTU, effectiveness	10	
1c. Figure: plot of ϵ vs NTU (measured + theory)	8	
Figure/Table Captions: 2 pts per caption	6	
Short-Answer Questions:		
2a. Percent relative difference between q_c and q_h including uncertainty	3	
2b. Percent relative difference in effectiveness between measurements and theory	2	
2c. Estimate heat transfer losses from shell casing to surroundings	3	
Matlab Code:	8	

Total: 50

* see the posted Handout for details regarding the specific requirements for each part