



TABLE OF SPECIFICATIONS
ESci 115b (Chemistry for Engineers Laboratory)
1st Semester AY 2022-2023

Examination: ☒ Midterm ☐ Final

Date of Examination: November 7, 2022

Content	No. of Meetings	Course Outcome/Learning Outcome (CO/LO)	%	Taxonomy of Objectives						Total Items
				Remembering	Understanding	Applying	Analyzing	Evaluating	Creating	
				24%		48%	28%			
The Chemical Laboratory	1	CO1/LO1	25			6	7			13
Precision and Accuracy of Measurements	1	CO1/LO2	25			6	7			13
The Laboratory Burner	1	CO1/LO3	25	12						12
Balancing Oxidation-Reduction Reactions	1	CO1/LO4	25			12				12
Total	4		100%	12		24	14			50
Item Arrangement				T 1: 12 - 24		T 1: 1 - 12 T 3: 1 - 8 T 4: 1 - 4	T 2: 1 - 14			

Type/s of Test: (example: Multiple Choice, Alternative Response, Essay, Fill in the blanks, etc)

- Test I Multiple Choice: 24 items
 Test II True or False: 14 items
 Test III Determining Oxidation Numbers: 8 items
 Test IV Balancing Redox Equations: 4 items

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