



TABLE OF SPECIFICATIONS

Chem 208 – Chemical Thermodynamics
2nd Semester AY 2021 -2022

Examination: Midterm XX Final

Date of Examination: 16 June 2022

Content	No. of Meetings	Course Outcome/ Learning Outcome (CO/LO)	%	Taxonomy of Objectives						Total Items
				Remembering	Understanding	Applying	Analyzing	Evaluating	Creating	
				___%	___%	___%	___%	___%	___%	
Zeroth Law of Thermodynamics	3	CO 3 / LO 5.1-5.2	22.9	7.2	12.0	3.6				19
First Law of Thermodynamics	3	CO 4 / LO 6.1-6.2	30.1	7.2	4.8	4.8	10.8	2.4		25
Second Law of Thermodynamics	3	CO 4 / LO 7.1-7.2	22.9	3.6	8.4	2.4	1.2	6.0	1.2	19
Third Law of Thermodynamics and Spontaneity of Reaction	3	CO 3 / LO 8.1-8.2	24.1	6.0	7.2				10.8	20
Total	12		100	24.0	32.4	10.8	12.0	8.4	12.0	83
Item Arrangement				I: 1-4, 6-7, 9, 11-12	I: 5, 8, 10 II: 10 III: 1, 4, 6, 11, 14-20, 34	II: 4, III: 21-28	II: 3, 5, 8 III: 5, 8-10, 29-33	II: 2, 6, 9 III: 7, 12-13, 35-36	II: 1, 7 III: 2-3,	

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

Test I True or False
Test II Problem Solving
Test III Multiple Choice