



## TABLE OF SPECIFICATIONS

Chem 208 – Chemical Thermodynamics  
2nd Semester AY 2022 -2023

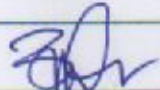
Examination: X Midterm \_\_\_ Final

Date of Examination: April 19, 2023

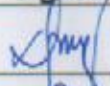
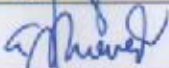
Content	No. of Meetings	Course Outcome/Learning Outcome (CO/LO)	%	Taxonomy of Objectives						Total Items
				Remembering	Understanding	Applying	Analyzing	Evaluating	Creating	
				___%	___%	___%	___%	___%	___%	
Introduction to Chemical Thermodynamics	2	CO 1 / LO 1.1-1.2	34.0	8.0	8.0	6.0	6.0	4.0	2.0	17
Mathematical Formalisms in Chemical Thermodynamics	2	CO 1 / LO 2.1-2.2	20.0		4.0	4.0	4.0	4.0	4.0	10
Perfect Gases and Ideal Gas Laws	2	CO 2 / LO 3.1-3.2	22.0	4.0	4.0	4.0	4.0	4.0	2.0	11
Imperfect Gases and Real Gas Laws	2	CO 2 / LO 4.1-4.2	24.0	4.0	4.0	4.0	4.0	4.0	4.0	12
<b>Total</b>	<b>8</b>		<b>100%</b>	<b>16.0</b>	<b>20.0</b>	<b>18.0</b>	<b>18.0</b>	<b>16.0</b>	<b>12.0</b>	<b>50</b>
Item Arrangement				I: 1,2, 3,4	I: 5,6, 7,8,11, 12	I: 9, 10,13, 14	I: 15, 16,	I: 17, 18,	I: 19,20	
				II: 7,8	II: 9,10	II: 1,11, 12	II: 2,3, 4,13, 14	II: 5,6, 15		
				III: 1,2	III: 3,4	III: 5,6	III: 7,8	III: 9,10, 12	III: 11,13, 14,15	

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

Test I            Matching Type  
Test II          Modified True or False  
Test III        Multiple Choice

Prepared by:	Name of Course Instructor /Professor	Signature	Date Signed
	FELIX M. SALAS		March 31, 2023

**Department Instructional Materials Review Committee:**

Committee	Name	Signature	Date Signed
Member:	ALLAN A. RAMAL		March 31, 2023
Chairperson/ Department Head:	ELIZABETH S. QUEVEDO		March 31, 2023

	Name	Signature	Date Signed
Verified by:	ANABELLA B. TULIN Dean, OGS		
Validated by:	NANCY D. ABUNDA Head, IMD		

*Note: A copy of the test paper with answer key shall be attached to the TOS.*

Distribution of copies: OIMD, College, Department, Faculty