



TABLE OF SPECIFICATIONS

Chem 157 – Physical Chemistry I
 2nd Semester AY 2022 -2023


Examination: ☒ Midterm ☐ Final

Date of Examination: April 20, 2023

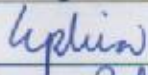
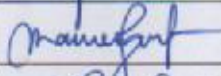
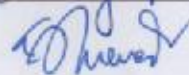
Content	No. of Meetings	Course Outcome/Learning Outcome (CO/LO)	%	Taxonomy of Objectives						Total Items
				Remembering	Understanding	Applying	Analyzing	Evaluating	Creating	
				___%	___%	___%	___%	___%	___%	
Introduction to Physical Chemistry	2	CO 1 / LO 1.1-1.2	34.0	8.0	8.0	6.0	6.0	4.0	2.0	17
Mathematical Formalisms in Physical Chemistry	2	CO 1 / LO 2.1-2.2	20.0		4.0	4.0	4.0	4.0	4.0	10
Ideal 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
Real 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
Total	8		100%	16.0	20.0	18.0	18.0	16.0	12.0	50
Item Arrangement				I: 1,2	I:3,4	I:5,6	I:7,8	I:9,10,12	I:11,13,14,15	
				II: 7,8	II:9,10	II:1,11,12	II:2,3,4,13,14	II:5,6,15		
				III:1,2,3,4	III:5,6,7,8,11,12	III: 9,10,13,14	III: 15,16,	III: 17,18,	III: 19,20	

Type/s 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:	VIVIAN N. POLE-LINA		04/03/2023
Member:	MARIA ROBELYN A. INSIK		04/03/2023
Chairperson:	ELIZABETH S. QUEVEDO		04/03/2023

	Name	Signature	Date signed
Verified by:	ANABELLA B. TULIN Dean, OGS		
Verified 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