



TABLE OF SPECIFICATIONS

Chem 124 – Molecular Spectroscopy

1st Semester AY 2022 -2023

Examination: ☒ Midterm ☐ Final

Date of Examination: 9 November 2022

Content	No. of Meetings	Course Outcome/ Learning Outcome (CO/LO)	%	Taxonomy of Objectives						Total Items
				Remembering	Understanding	Applying	Analyzing	Evaluating	Creating	
				—%	—%	—%	—%	—%	—%	
Intro to Molecular Spectroscopy	3	CO 1 / LO 1.1-1.2	20.8	5.7	5.7	9.4				11
UV Spectroscopy	3	CO 2 / LO 2.1-2.2	35.8	5.7	7.5	20.7		1.9		19
IR Spectroscopy	3	CO 2 / LO 3.1-3.2	43.4	15.1	13.2	9.4	3.8		1.9	23
Total	9		100%	26.5	26.4	39.5	3.8	1.9	1.9	53
Item Arrangement				I. 1-5, 6-9, 21-24, 32,	I. 10-20, 25-27,	I. 28-30, 36-50	I. 33-35 II. 2	II. 1	II. 3	

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

Test I Identification

Test II Problem Solving

Prepared by:	Name of Course Instructor /Professor	Signature	Date Signed
	FELIX M. SALAS		Oct 19, 2022

Department Instructional Materials Review Committee:

Committee	Name	Signature	Date Signed
Member:	JACOB GLENN F. JANSALIN		10/24/22
Member:	MA. ROBelyn M. AUREO-INSIK		10/24/22
Chairperson/ Department Head:	ELIZABETH S. QUEVEDO		October 24, 2022

	Name	Signature	Date Signed
Designed by:	MA THERESA P. LORETO Dean, CAS		
Validated by:	NANCY D. ABUNDA Head, IMD		

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

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