



TABLE OF SPECIFICATIONS
Chem 21 – General Chemistry II Laboratory
2nd Semester AY 2021-2022

Examination: ___ Midterm ☒ Final ___ Long Exam

Date of Examination: June 23, 2022

Content	No. of Meetings	Course Outcome/Learning Outcome (CO/LO)	%	Taxonomy of Objectives						Total Items
				Remembering	Understanding	Applying	Analyzing	Evaluating	Creating	
				31.03 %	18.97 %	27.59 %	20.69 %	1.72 %		
Factors Affecting Rates of Chemical Reactions	1	CO1: Explain the theories and principles of chemical equilibrium and how these apply to the physical world CO2: Apply safety precautions in the laboratory. CO3: Analyze and present experimental data.	10.34	3	1	2				5
Chemical Equilibrium	1		10.34	3	1	2	1			7
Measurement of the Solubility Product Constant for a Slightly Soluble Salt	1		15.52	2	2	2	2			9
Electrolytes: Acids, Bases, and Salts	1		12.07	3	1	2				7
pH Determination	1		17.24	3	2	3	2			10
Relative Strength of Acids and Bases	1		8.62	1	1	2				5
Common-Ion Effect & Buffers	1		13.79	2	1	2	1			8
Spot Tests for Some Common Ions	1		12.07	1		1		1		7
Total	8		100 %	18	9	16	6	1		50

Vision:

Mission:

A globally competitive university for science, technology, and environmental conservation.
Development of a highly competitive human resource, cutting-edge scientific knowledge and innovative technologies for sustainable communities and environment.

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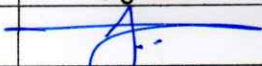
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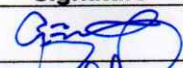
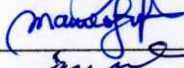
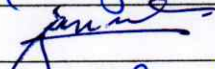

Item Arrangement				I. 1-11 II. 1-8	I. 12-15 V. 1-5	III. 1-16	IV. 1-6	I. 16		
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Type/s of Test:

Test I	Multiple Choice	Test IV Calculations
Test II	Matching Type	Test V Essay
Test III	Modified True or False	

Prepared by:	Name of Course Instructor /Professor	Signature	Date Signed
	MARK RYAN R. TRIPOLE		6/22/22

Department Instructional Materials Review Committee:

Committee	Name	Signature	Date Signed
Member:	ATOZ A. VASQUEZ		6/23/22
Member:	MA. ROBELYN A. INSIK		6/23/22
Chairperson	JACOB GLENN F. JANSALIN		6/23/2022
Department Head:	ELIZABETH S. QUEVEDO		6/23/2022

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

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

(3) Distribution of copies: OHIMD, Department, Faculty

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