



## TABLE OF SPECIFICATIONS

Chem 141 – Qualitative Chemistry  
 2<sup>nd</sup> Semester AY 2022 -2023

Examination:  X  Midterm     Final

Date of Examination: April 18, 2023


Content	No. of Meetings	Course Outcome/ Learning Outcome (CO/LO)	%	Taxonomy of Objectives						Total Items
				Remembering	Understanding	Applying	Analyzing	Evaluating	Creating	
				___%	___%	___%	___%	___%	___%	
Introduction to Qualitative Chemistry	2	CO 1 / LO 1.1-1.2	25.5	5.5	5.5	3.6	3.6	3.6	3.6	14
Common Processes for Qualitative Chemistry	2	CO 1 / LO 2.1-2.2	27.3	7.3	5.5	5.5	3.6	3.6	1.8	15
Solubility Equilibria and Hydrolysis for Qualitative Analysis	2	CO 2 / LO 3.1-3.2	23.6	5.5	7.3	5.5	1.8	1.8	1.8	13
Precipitation and Complexation for Qualitative Analysis	2	CO 2 / LO 4.1-4.2	23.6	7.3	5.5	3.6	3.6	3.6		13
<b>Total</b>	<b>8</b>		<b>100%</b>	<b>25.6</b>	<b>23.8</b>	<b>18.2</b>	<b>12.6</b>	<b>12.6</b>	<b>7.2</b>	<b>55</b>
<b>Item Arrangement</b>				I: 1,2, 3,5,6,8, 9,10,11, 12 II: 11, 13,14, 15	I: 4,7, 13,14, 15,16, 17,18,19 II: 1,2, 3,16	I:20, 21,22 II:4,5, 6,7,9, 10 III:1	I: 23 II:8,17, 18,19, 20 III:2	I:24, II:12, 21,22, 23,24, III:3	I: 25 II:25, III:4,5	

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

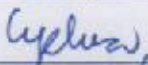
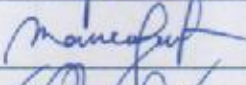
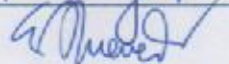
Test I - Multiple Choice

Test II - Modified True or False

Test III – Essay

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/Head	ELIZABETH S. QUEVEDO		04/03/2023

	Name	Signature	Date Signed
Verified by:	MA. THERESA P. LORETO College Dean		
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*