



## TABLE OF SPECIFICATIONS

### Chem 158 – Physical Chemistry 2

1<sup>st</sup> Semester AY 2022-2023

Examination: ☒ Midterm ☐ Final

Date of Examination: November 16, 2022

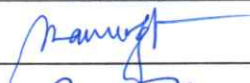
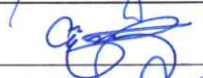
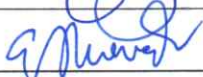
Content	No. of Meetings	Course Outcome/ Learning Outcome (CO/LO)	%	Taxonomy of Objectives						Total Items
				Remembering	Understanding	Applying	Analyzing	Evaluating	Creating	
				___%	16%	24%	36%	24 %	___%	
Introducti on to Electro- chemistry	2	Module 2. Lesson 2.1. LO 1- 4	16		1		3			4
Standard reduction potential and spontaneity of reaction	2	Module 2. Lesson 2.2	24		1	2	2	1		6
Cell potential and thermody namics	1	Module 2. Lesson 2.3	16			1		3		4
Applicatio ns of electro- chemistry	1	Module 2. Lesson 2.4	44		2	3	4	2		11
<b>Total</b>	<b>6</b>		<b>100%</b>							
<b>Item Arrange ment</b>					4, 7, 13, 14	5, 6, 10, 12,16, 20	1, 2, 3, 8, 9, 15, 17, 18, 19	11, 21, 22, 23, 24, 25		

#### Type/s of Test:

Test I MULTIPLE CHOICE  
Test II PROBLEM SOLVING

Prepared by:	Name of Course Instructor /Professor	Signature	Date Signed
	JACOB GLENN F. JANSALIN		11/14/2022

Department Instructional Materials Review Committee:

Committee	Name	Signature	Date Signed
Member:	MARIA ROBELYN A. INSIK		11/4/22
Member:	ATOZ A. VASQUEZ		11/14/22
Chairperson:	ELIZABETH S. QUEVEDO		11/14/2022

	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 for review of the DIMRC. After approval the test paper will be returned to the concerned faculty and will not be attached to the TOS when submitted to the College Dean and OHIMD.

REMINDER:

1. The author should not be part of the DIMRC.
2. \*If the author is the Department Head, he/she will be replaced by another chairperson from among the senior faculty members.
3. \*\*If the author is the College Dean, the Head of Instructional Materials Development will approve.
4. Follow the next higher supervisor, no same person
5. For the component campuses, if the author is the College Dean, the Director for Academic Affairs will approve.
6. If the author is the Department Head and at the same time the College Dean, the Director for Academic Affairs will be the Chairperson of the DIMRC, and the Chancellor will approve it.

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