



TABLE OF SPECIFICATIONS

Chem 208 – Chemical Thermodynamics
2nd Semester AY 2021 -2022

Examination: XX Midterm Final

Date of Examination: 9 April 2022

Content	No. of Meetings	Course Outcome/Learning Outcome (CO/LO)	%	Taxonomy of Objectives						Total Items
				Remembering	Understanding	Applying	Analyzing	Evaluating	Creating	
				___%	___%	___%	___%	___%	___%	
Introduction to Chemical Thermodynamics	2	CO 1 / LO 1.1-1.2	41.7	11.0	14.6	10.6	6.6	4.0	2.6	25
Mathematical Formalisms in Chemical Thermodynamics	2	CO 1 / LO 2.1-2.2	13.3	1.7	1.7		5.2	3.4	1.7	8
Ideal Gases	2	CO 2 / LO 3.1-3.2	21.7		6.9	1.7	7.0	5.2	1.7	13
Real Gases	2	CO 2 / LO 4.1-4.2	23.3	2.8	4.4	3.2	2.0	1.2	0.8	14
Total	8		100%	15.5	27.6	15.5	20.8	13.8	6.8	60
Item Arrangement				I: 1-4, 6-7, 9, 11-12	I: 5, 8, 10 II: 10 III: 1, 4, 6, 11, 14-20, 34	II: 4, III: 21-28	II: 3, 5, 8 III: 5, 8-10, 29-33	II: 2, 6, 9 III: 7, 12-13, 35-36	II: 1, 7 III: 2-3,	

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

Test I Problem Solving (PS)


Test II Multiple Choice (MC)

Test III True or False (T/F)

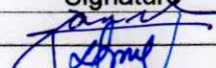
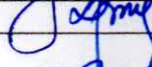

Vision:

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.

Prepared by:	Name of Course Instructor /Professor FELIX M. SALAS	Signature 	Date Signed 18 March 2022
--------------	--	--	------------------------------

Department Instructional Materials Review Committee:

Committee	Name	Signature	Date Signed
Member:	JACOB GLENN F. JANSALIN		3/21/22
Member:	ALLAN A. RAMAL		3/28/22
Chairperson/ Department Head:	ELIZABETH S. QUEVEDO		4/4/22

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