

## TABLE OF SPECIFICATIONS

Chem 137 – Biochemistry  
 First Semester AY 2021-2022

Examination: \_\_\_\_\_ Midterm ☒ Final

Date of Examination: December 13, 2021

Content	No. of Meetings	Course Outcome/ Learning Outcome (CO/LO)	%	Taxonomy of Objectives						Total Items
				Remembering	Understanding	Applying	Analyzing	Evaluating	Creating	
				22%	25%	3%	33%	17%	%	
Nucleic Acids	4	CO1	66	18	19		24	4		65 (79.2)
Genetic Engineering	2	CO5 CO6	34	8	11	4	16	16		55(40.8)
<b>Total</b>	<b>6</b>		<b>100 %</b>	<b>26</b>	<b>30</b>	<b>4</b>	<b>40</b>	<b>20</b>		<b>120</b>
<b>Item Arrangement</b>				Test I (3,8,10,12,13,15,24,30,36)	Test I (1,4,7,9,11,14,17,20,21,28,29,31,33,37)	Test II 46  Test III (5,	Test I (2,5,6,16,18,19,22,23,25-27,32,34)	Test II (27-30,40,50,52-54,57,58)	Test III (2,4,6)	

### Type/s of Test:

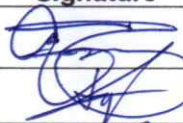
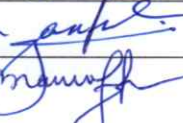
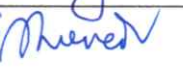
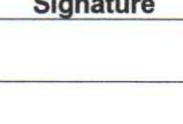
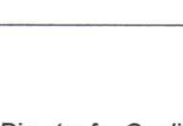
Test I True or False

Test II Multiple Choice

Test III – Essay/Computation

Prepared by:	Name of Course Instructor /Professor	Signature	Date Signed
	ELIZABETH S. QUEVEDO		12/6/2021

**Department Instructional Materials Review Committee:**

Committee	Name	Signature	Date Signed
Member:	ATOZ <del>A</del> VASQUEZ		12/23/2021
Member:	MERVIN JNE B. GASATAN		12/27/2021
Member:	JACOB GLENN F. JANSALIN		01/06/2022
Chairperson	MARIA ROBELYN A. INSIK		12/23/2021
Department Head:	ELIZABETH S. QUEVEDO		12/10/2021

	Name	Signature	Date Signed
Verified by:	MA. THERESA P. LORETO CAS College		
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, and Office of the Director for Quality Assurance*



## TABLE OF SPECIFICATIONS

CHEM211 – Chemistry in the Living System

First Semester AY 2021-2022

Examination: \_\_\_\_\_ Midterm ☒ Final

Date of Examination: December 14, 2021

Content	No. of Meetings (hrs)	Course Outcome/Learning Outcome (CO/LO)	%	Taxonomy of Objectives						Total Items
				Remembering	Understanding	Applying	Analyzing	Evaluating	Creating	
				3%	22%	14%	54%	6%	0%	
Metabolism	6	CO4	100	4	29	19	70	8		130
Total	6 hrs		100%	4	29	19	70	8		130
Item Arrangement				Test I (1)	Test I (2,4,6,8,13,14,19,21-22,26,40-28,32,371-51)	Test I (9,11,30)	Test I (3,5,7,10,12,15-18,20,23-25,29,31,33-36,38,39)	Test II (1,2,4,5,7,11,12,14-18,20,21,23,25,27,28,41-47,49,31-34,3739)	Test II (3,4)	
				Test II (3,50,53-54)	Test II (9,11,13,19,22,24,26,30,35,48,36,38,40,51)	Test II (6,8,10,29,52)	Test II (1,2,4,5,7,11,12,14-18,20,21,23,25,27,28,41-47,49,31-34,3739)	Test III (5,9)		

### Type/s of Test:

Test I True or False



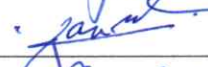

Test II Multiple Choice

Test III – Essay/Computation

Prepared by:	Name of Course Instructor /Professor	Signature	Date Signed
	ELIZABETH S. QUEVEDO		12/14/2021



**Department Instructional Materials Review Committee:**

Committee	Name	Signature	Date Signed
Member:	ALLAN A. RAMAL		01/10/2022
Member:	FELIXM. SALAS		12/14/21
Chairperson	JACOB GLENN F. JANSALIN		01/06/22
Department Head:	ELIZABETH S. QUEVEDO		12/13/2021

	Name	Signature	Date Signed
<b>Verified by:</b>	MA. THERESA P. LORETO Dean, CAS		
<b>Validated by:</b>	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, and Office of the Director for Quality Assurance*