



## TABLE OF SPECIFICATIONS

Chem 137.2 (R244) – Biochemistry I (Laboratory)

1st Semester AY 2022-2023

Examination: X Midterm \_\_\_\_ Final

Date of Examination: **22-Nov** 2022

| Content                                | No. of Meetings | Course Outcome/<br>Learning Outcome (CO/LO) | %           | Taxonomy of Objectives                                                                             |               |                               |                           |            |          | Total Items |
|----------------------------------------|-----------------|---------------------------------------------|-------------|----------------------------------------------------------------------------------------------------|---------------|-------------------------------|---------------------------|------------|----------|-------------|
|                                        |                 |                                             |             | Remembering                                                                                        | Understanding | Applying                      | Analyzing                 | Evaluating | Creating |             |
|                                        |                 |                                             |             | 56.0%                                                                                              | 2.0%          | 10.0%                         | 28.0%                     | 4.0%       | 0.0%     |             |
| Exercise 1<br>Biochemical Calculations | 2               | CO1<br>CO2<br>CO3<br>CO4<br>CO5             | 20.0        |                                                                                                    |               |                               | 10                        |            |          | 10          |
| Exercise 2<br>pH and Buffer Systems    | 2               |                                             | 20.0        | 3                                                                                                  |               | 1                             | 4                         | 2          |          | 10          |
| Exercise 3<br>Carbohydrates            | 2               |                                             | 20.0        | 7                                                                                                  |               | 3                             |                           |            |          | 10          |
| Exercise 4<br>Lipids                   | 2               |                                             | 20.0        | 8                                                                                                  | 1             | 1                             |                           |            |          | 10          |
| Exercise 5<br>Amino Acids              | 2               |                                             | 20.0        | 10                                                                                                 |               |                               |                           |            |          | 10          |
| <b>Total</b>                           | <b>10</b>       |                                             | <b>100%</b> | <b>28</b>                                                                                          | <b>1</b>      | <b>5</b>                      | <b>14</b>                 | <b>2</b>   | <b>0</b> | <b>50</b>   |
| <b>Item Arrangement</b>                |                 |                                             |             | TI. 1-2<br>TII. 8<br>TI. 4-5 & 7-8, 11-13<br>TI. 14-19<br>TII. 6-7<br>TI. 20-25<br>TII. 4-5 & 9-10 | TIV. 3        | TI. 3<br>TI. 6,9-10<br>TIV. 4 | TIII. 1-10<br>TIII. 11-14 | TIV. 1-2   |          |             |

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

Test I – Multiple Choice: 25 items

Test II – Illustrations: 7 items

Test III – Problem-solving and Analysis: 14 items

Test IV – Essay/Discussion: 4 items

| Prepared by: | Name of Course Instructor /Professor | Signature | Date Signed |
|--------------|--------------------------------------|-----------|-------------|
|              | <b>DAVID WINSTON W. TABADA</b>       |           | 11/17/22    |