



## TABLE OF SPECIFICATIONS

Chem 212 – Analytical Chemistry  
1<sup>st</sup> Semester AY 2022 -2023

Examination: \_\_\_Midterm XX Final

Date of Examination: January 28, 2023

| Content                        | No. of Meetings | Course Outcome/<br>Learning Outcome<br>(CO/LO) | %           | Taxonomy of Objectives     |                                      |                                  |               |                   |          | Total Items |
|--------------------------------|-----------------|------------------------------------------------|-------------|----------------------------|--------------------------------------|----------------------------------|---------------|-------------------|----------|-------------|
|                                |                 |                                                |             | Remembering                | Understanding                        | Applying                         | Analyzing     | Evaluating        | Creating |             |
|                                |                 |                                                |             | ___%                       | ___%                                 | ___%                             | ___%          | ___%              | ___%     |             |
| Ionic Strength of Solutions    | 2               | CO 3 /<br>LO 5.1-5.2                           | 17.1        |                            | 11.4                                 | 4.3                              |               | 1.4               |          | 12          |
| Gravimetric Method of Analysis | 2               | CO 4 /<br>LO 6.1-6.2                           | 12.9        | 5.7                        | 4.3                                  | 2.9                              |               |                   |          | 9           |
| Volumetric Method of Analysis  | 2               | CO 4 /<br>LO 7.1-7.2                           | 28.6        | 4.3                        | 11.4                                 | 4.3                              | 4.3           | 4.3               |          | 20          |
| Optical Method of Analysis     | 2               | CO 4/<br>LO 8.1-8.2                            | 41.4        | 15.7                       | 4.3                                  | 4.3                              | 8.6           | 8.6               |          | 29          |
| <b>Total</b>                   | <b>8</b>        |                                                | <b>100%</b> | <b>25.7</b>                | <b>31.4</b>                          | <b>15.7</b>                      | <b>12.9</b>   | <b>14.3</b>       |          | <b>70</b>   |
| <b>Item Arrangement</b>        |                 |                                                |             | I:4-6<br>II:1,10-19, 23-26 | I:21,25, 26<br>II: 2-9, 13-20, 28-30 | I:1-3, 22-24, 30-31<br>II:20-24, | I:7-12, 27-29 | I:32-40<br>II: 27 |          |             |

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

Test I True of False  
Test II Multiple Choice