

**Suggested Readings for CHEM 1111 Laboratory Exercises**

If you would like additional information about the laboratory exercises, refer to your textbook (Chemistry 9<sup>th</sup> ed; Chang; 2007) as noted below.

| <b>Experiment Title</b>                                    | <b>Textbook pages</b> |
|--|-----------------------|
| Measurement and Density                                    | 15 – 27               |
| Properties of Matter                                       | 11 – 15               |
| Percent Water in a Hydrate                                 | 57 – 61; 76 – 83      |
| Empirical Formula of a Compound                            | 84 – 90               |
| Writing and Understanding Chemical Equations and Reactions | 119 – 126             |
| An Analysis of a Household Acid: Titrating Vinegar         | 150 – 153             |
| Copper Cycle   | 119 – 142             |
| Molar Mass of Butane                                       | 175 – 196             |
| Heat of Neutralization                                     | 239 – 245             |
| The Use of the Spectrophotometer and Beer's Law            | N/A                   |
| Colorimetric Analysis of Iron in an Iron Tablet            | N/A                   |