Chemistry 101
Unit 2 – Outcomes

The student will be able to:

1) Identify the exponent and base in a given expression.

2) Describe the function of a positive exponent of base 10 as showing the number of times ten is used as a multiplying factor.

3) Describe the function of a negative exponent of base 10 as showing the number of times ten is used as a dividing factor.

4) Recognize that the notation $10°$ is equal to one.

5) Identify in a measured quantity expressed in exponential form: coefficient, exponential, and unit label.

6) Convert any number in ordinary decimal form to exponential form, or any number in exponential form to ordinary decimal form.

7) Express any quantity in standard exponential notation (scientific notation).

8) Add and subtract quantities in exponential notation and express results in standard exponential notation.

9) Recognize that to be added or subtracted numbers in exponential form must have the same exponent.

10) Multiply and divide quantities in exponential notation and express results in standard exponential notation.