

**Fall 2015**  
**Lab for CHM 1407: Introductory chemistry**  
**CRN: 18830**

**I. Schedule:**

Monday: 9:30 am - 10:20 pm Pre-Lab lecture (Theoretical )  
Monday: 10:30 am - 12:20 pm Experimental (Physical sciences Lab 302)

**II. Instructor: Dr. Saideh Mortazavi**

Email: [ssmortazavi@utep.edu](mailto:ssmortazavi@utep.edu)

Office Hours: Before or after the lab or by Appointment

**III. Text book:**

Laboratory Manual for GENERAL CHEMISTRY LABORATORIES  
Narayan. Mahmoud. Gunn.

**IV. Evaluation:**

- A. Lab Grade consist of Lab reports (35%) & Attendance 35%
- B Mid-exam 15 %
- C. Final Exam 15 %

Note: Lab grades will be incorporated into CHEM 1407 lecture with 10 % of the total grade (90% lecture + 10% Lab)

**V. Others:**

**A. Z87.1 Goggles FITTING ONLY must be worn in the lab at all times.**

- a) Lab coats are optional.
- b) Long pants and closed toe shoes are required.

B. There will be no make –up labs.

C. Missing lab without approved reason will result in a “0” on lab report for the particular experiment on the day of absence.

D. Lab reports will be counted only if you attended the lab.

NOTE: Failure to follow safety rules will result in a ZERO for that lab and the student will be exited from the lab.

## **VI. Experiments**

<b><u>Week</u></b>	<b><u>Experiment</u></b>
<b>1</b>	<b>No Lab</b>
<b>2</b>	<b>Safety and Check in</b>
<b>3</b>	<b>Significant Figures (Dry Lab)</b>
<b>4</b>	<b>Density and Measuring Techniques (Wet Lab)</b>
<b>5</b>	<b>Periodic Table: Workshop (Dry Lab)</b>
<b>6</b>	<b>Naming Compounds (Dry Lab)</b>
<b>7</b>	<b>Properties of Solutions and Matter (Wet Lab)</b>
<b>8</b>	<b>Mid-term exam</b>
<b>9</b>	<b>The Mole: Workshop (Dry Lab)</b>
<b>10</b>	<b>Heat of Reactions - Hot and Cold Packs (Wet Lab)</b>
<b>11</b>	<b>Gas laws: Workshop (Dry Lab)</b>
<b>12</b>	<b>Ionization and Classification of Electrolytes (Wet Lab)</b>
<b>13</b>	<b>Titration of White Vinegar (Wet Lab)</b>
<b>14</b>	<b>Acids, Bases, and Indicators (Wet Lab)</b>
<b>15</b>	<b>Final exam</b>

**Dry Lab is a workshop, and there is no experiment.**

**Wet Lab is an experimental Lab in room 302 after pre-lab lecture.**