

Master Syllabus

CHE 1351 - Lab for College Chemistry I

Division: Science, Mathematics and Engineering

Department: Chemistry

Credit Hour Total: 0.0

Date Revised: July 2017

Course Description:

General Education Outcomes:

- Critical Thinking/Problem Solving Competency
- Written Communication Competency

Course Outcomes:

Measurement

Perform calculations involving density, unit conversion, calories, percent yields, concentrations and moles.

Assessment Method: Performance appraisals

Performance Criteria: 70% or above on lab reports

Following Procedure

Describe chemical and physical properties and perform chemical, physical conversions.

Assessment Method: Performance appraisals

Performance Criteria: 70% or above on lab reports

Data Analysis

Organize and interpret data, draw graphs and shapes of molecules.

Assessment Method: Performance appraisals

Performance Criteria: 70% or above on lab reports

Chemical and Physical Properties

Perform metric measurements, paper chromatography, separation of mixtures, and determine acidity and water hardness.

Assessment Method: Performance appraisals

Performance Criteria: 70% or above on lab reports

Outline:

Introduction and Safety Density and Measurement Paper Chromatography Absorption Spectroscopy Data Analysis and Graphing
Preparation and Properties of Gases Chemical Reaction: Mass to Mole Conversion Protection Against UV Radiation LeChatelier's
Principle Acids and Bases Analysis of Water