

## Master Syllabus

### CHE 1151 - Lab for Introduction to Chemistry I

**Division:** Science, Mathematics and Engineering

**Department:** Chemistry

**Credit Hour Total:** 0.0

**Date Revised:** July 2017

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#### Course Description:

#### General Education Outcomes:

- Critical Thinking/Problem Solving Competency

#### Course Outcomes:

##### Chemical Instrumentation

Demonstrate proper technique in using chemical instruments and equipment.

**Assessment Method:** Performance appraisals

**Performance Criteria:** 60% or above on lab reports

##### Measurement

Perform volume, mass, length and temperature measurements using the SI system of units.

**Assessment Method:** Performance appraisals

**Performance Criteria:** 60% or above on lab reports

##### Following Chemical Procedures

Perform simple acid-base, kinetic, quantitative and qualitative analyses by following a chemical procedure.

**Assessment Method:** Performance appraisals

**Performance Criteria:** 60% or above on lab reports

##### Safe Reaction Practices

Perform and observe chemical and physical changes of inorganic and organic molecules by following the proper procedure in a safe manner.

**Assessment Method:** Performance appraisals

**Performance Criteria:** 60% or above on lab reports

#### Outline:

Safety and Waste Disposal  
Matter and Measurement  
Atoms and Molecules  
Chemical Reactions  
Energy Changes of Chemical/Physical Processes  
Atomic Structure  
Bonding  
Acid/base chemistry  
Chemical kinetics and equilibrium  
Nuclear Chemistry  
Organic Chemistry