

Master Syllabus

PHY 2207 - Lab for General Physics I

Division: Science, Mathematics and Engineering

Department: Physics

Credit Hour Total: 0.0

Date Revised: June 2014

Course Description:

General Education Outcomes:

- Critical Thinking/Problem Solving Competency

Course Outcomes:

Experimental Procedures

Design and implement experimental procedures including control of variables, making distinctions between dependent and independent variables and accounting for uncertainties.

Assessment Method: Performance appraisals

Performance Criteria: 70% of items correct.

Data Analysis

Analyze experimental data including representations of data in graphical form.

Assessment Method: Performance appraisals

Performance Criteria: 70% of items correct.

Data Trends

Infer patterns in collected data taking into account experimental uncertainties.

Assessment Method: Performance appraisals

Performance Criteria: 70% of items correct.

Predictions Using Data

Make predictions using inferred data patterns through extrapolation and/or interpolation.

Assessment Method: Performance appraisals

Performance Criteria: 70% of items correct.

Outline: