Instructor's Name: Desi Saludes

Telephone Number: (813) 253-7493

Email Address: dsaludes@hccfl.edu

Web Page: https://www.hccfl.edu/faculty-info/dsaludes.aspx

Office Hours: Posted on instructor's website (see above)

Class Schedule: T 1:00 – 3:30 PM in DSCS 134

Course Description: Laboratory class to accompany and augment PHY1025, Conceptual Physics. College level reading, writing, and math skills are required.

Corequisite: PHY 1025

Course Objectives: The student will demonstrate proficiency in the following areas:
* Understanding the relationship between the concepts learned in the lecture class and the experiments performed in the lab.
* Identifying potential sources of error and uncertainty in an experiment, and suggesting solutions to minimize errors and uncertainties.
* Creating college-level laboratory experiment reports, including theoretical explanations of the experimental setup and cogent analyses of results.

Lab Book: PHY1025L Lab Manual by Dale Thompson (available at HCC Dale Mabry Bookstore)

Grading System: The Grading policy outlined in the 2009-2010 HCC Catalog will be followed. The final grade will be determined by averaging together the grades from laboratory reports and a final quiz on the last day of class which will ask you about the experiments you performed. The grade weights will be as follows:

<table>
<thead>
<tr>
<th>Lab Reports</th>
<th>70%</th>
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<tr>
<td>Final Quiz</td>
<td>30%</td>
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The following grading scale will be used for calculating the final grade:

| 90 - 100   | A   |
| 80 - 89    | B   |
| 70 - 79    | C   |
| 60 - 69    | D   |
| 59 or Below| F   |
**Academic Dishonesty Policy:** Any student caught engaging in any form of academic dishonesty will be given either a "0" grade on that report or an "F" as the final course grade, at the discretion of the instructor. Academic dishonesty includes copying text directly from a website when writing the lab reports. The lab reports must be written in your own words.

**Attendance Policy:** Missing a laboratory class will make it impossible for a student to create a laboratory report for that experiment, resulting in a zero grade for that report. In addition, the Attendance policy outlined in the 200-2010 HCC Catalog will be followed.

**Instructional Methods:** Lab classes will generally begin with the instructor giving an explanation of the experiment to be performed and a demonstration of the equipment to be used. Afterwards, students will perform the assigned experiments in small groups.

**Request for Accommodations:** Any student whose disabilities fall within American Disabilities Act (ADA) must inform the instructor at the beginning of the term of any special needs or equipment necessary to accomplish the requirements for this course. To arrange for special accommodations for individuals with disabilities contact the Office of Services for Students with Disabilities at 813-259-6035.

**Lab Reports:**
Lab reports are due at the beginning of the class period one week from the date that the experiment is performed. Reports may be submitted jointly by two lab partners as long as they both participate in the creation of the report. The reports should contain the following:

a. Your name(s), the experiment date, the course number (PHY1025L), a brief statement of the purpose of the experiment.
b. A brief explanation of the procedure used to perform the experiment.
c. All your data clearly and neatly recorded or and/or graphed.
d. Percent error or percent difference calculations, where applicable

**Most importantly,** an analysis and discussion of your results and/or conclusions. Show me what you learned from the experiment and include any additional comments or observations you would like to make. Comment on how your experimental results compared with your expectations.

All lab reports must be typed, professional-looking and neatly organized, with graphs and tables all properly labeled and captioned. The physical presentation of the lab report will be considered as part of the grading process.

**Lab Schedule:** A schedule of the experiments to be performed each week will be provided on the instructor’s web page for this class (see address above).

**Late Reports:**
Lab reports turned in after the beginning of the lab period on the specified due dates will be subject to a 10-point (out of 100) penalty. No lab reports will be accepted more than one week after the due date.