SUFFOLK COUNTY COMMUNITY COLLEGE

ABBREVIATED
COLLEGE COURSE SYLLABUS FORM

A course syllabus is not the same as a course outline. A course syllabus outlines the general requirements for a course. A course outline is the specific document created by the individual faculty member to distribute to a specific course section. This is an "abbreviated" course syllabus because it is only collecting information on the course number, title, description, and learning outcomes. Please submit this completed form electronically to Dean Britton.

PLEASE NOTE: Any changes made to the Course Number, Title, or Catalog Description must go through the regular faculty governance process. This Expedited Process of Approval, which expires in March 2012, only pertains to approval of the Learning Outcomes. Therefore, this is NOT the form to be used to change course numbers, titles, or descriptions. This is NOT the form to use for proposing a new course. (See the Governance website for those types of proposals.)

I. Course Number and Title: PHY232 Physics 2 Laboratory

II. Catalog Description: Elementary circuits' laboratory, DC circuits, ammeters, voltmeters, mesh and loop equations, Thevenin's theorem, superposition, impedance matching, transients, and impedance. (2 hrs. laboratory). Corequisite: PHY 230, MAT 203. Note: Fulfills SUNY General Education Requirement for Natural Sciences.

III. *Learning Outcomes: *(Main concepts, principles, and skills you want students to learn from this course) The Learning Outcomes listed here should be considered the minimum core outcomes for the course. Many other learning outcomes may also be a part of the learning experience within the course.*

Upon completion of this course, students will be able to:

A. Understand, on an experimental basis, the concepts taught in PHY 230.

B. Properly identify and use the fundamental components in D.C. electric circuits.

C. Properly interpret the results of observations and experiments and communicate the results effectively.

D. Demonstrate the ability to determine and apply the correct uncertainty for various measurements.

E. Understand how to use a variety of laboratory equipment such as voltmeters, ammeters, oscilloscopes, and function generators.

*These statements must appear verbatim in course outlines. However, additional outcomes may be added to individual course outlines at the instructor's discretion.

F. The successful student will be able to write a coherent scientific lab report.

G. Apply critical thinking skills in order to analyze multi-step word problems and formulate solutions.

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Name of Discipline Lead: **Glenda Denicoló**

Discipline Vote:

For **3** Against **0** Abstention **0**

Date of Vote: **03/02/2010**

_(Initial and Date)_____ Certification of Vote by AVP of Academic Affairs

_(Initial and Date)_____ Certification of Vote by College Curriculum Chair

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