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: PHY132 Physics I Lab

II. Catalog Description: Laboratory course in mechanics offered to majors in physical sciences, computer science, mathematics and engineering. This course is designed to complement and illustrate the concepts learned in PHY130 (2hrs. laboratory.) Corequisite: PHY130.

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. Experimentally verify the laws of classical mechanics in areas of linear kinematics and dynamics, force and work/energy concepts, conservation of linear and angular momentum, rotational kinematics and dynamics.

B. Use various laboratory instruments including computer-based data acquisition.

C. Interpret and manipulate graphical data including fits to linear and polynomial functions.

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

D. Apply critical thinking skills in analyzing practical problems; take necessary data and formulate solutions.

E. Present the results of experiments as coherent reports including error analysis.

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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

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

Revised 1/10