

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: PHY115 Technical Physics For Health Careers

II. Catalog Description: For physical therapist assistants and students in other health technologies. Includes application of principles of equilibrium to human muscular system; study of work and energy; electricity and magnetism and their relation to physical therapy equipment, heat, wave motion, atomic radiation and light. (3 hrs. lecture, 1 hr. recitation, 2 hrs. laboratory.) Prerequisite: MAT111 or equivalent. Note: PHY115 does not satisfy prerequisite for PHY102.

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.** Apply the laws of physics in areas of kinematics and dynamics, force and work/energy concepts, hydrostatics, basic thermodynamics, electricity and simple circuits, magnetism and optics.
- B.** Understand principles of sound, including ultrasound.
- C.** Interpret graphical data and do linear fits.

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

- D. Use basic algebra and trigonometry throughout the course in formulating principles and solving word problems.
- E. Apply critical thinking skills in analyzing multi-step word problems and formulating solutions.
- F. Work as part of a team on projects involving application of the physical concepts.
- G. Work in a technical setting such as a laboratory and be able to present findings in a coherent report.

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.