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:
   CHE134, College Chemistry II

II. Catalog Description:

   CHE134 is the second semester of a full year comprehensive College Chemistry program. It is designed to meet the needs of students with career goals in chemistry, biology, engineering, medicine or dentistry. Includes the study of chemical kinetics, chemical equilibrium, laws of chemical combination, thermodynamics, acid-base chemistry, electrochemistry and Nuclear chemistry. Laboratory work is basically quantitative in nature and emphasizes experimental techniques and study through observation. Second semester places emphasis on equilibrium through study of inorganic qualitative analysis. (4 credit hours)

   The course involves 3 hours of lecture, 1 hour of recitation, and 3 hours of laboratory per week. It fulfills the SUNY General Education Requirement for Natural Sciences. Prerequisite: CHE133 (College Chemistry) or permission of Academic Chair and MAT124.

III. *Learning Outcomes:

   The successful student will demonstrate proficiency in:

   • Solving problems involving the properties of solutions.
   • Determining reaction rates, the order of the reactions and the reaction mechanisms.
   • Solving acid-base problems and calculating pH of various aqueous solutions.
   • Solving problems involving chemical equilibria, thermodynamics, electrochemistry and nuclear chemistry.
   • Performing basic laboratory operations involving: qualitative inorganic analysis, molecular mass determination, kinetics, chemical equilibrium, spectrophotometry, the use of pH meter and using computers in collecting, analyzing and graphing data.

*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
Name of Discipline Lead: Jing-Yi Chin

Discipline Vote:
For__________ Against__________ Abstention__________

Date of Vote:__________
_(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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Revised 1/10