

KINGSBOROUGH COMMUNITY COLLEGE
The City University of New York
CURRICULUM DATA TRANSMITTAL SHEET

DEPARTMENT: PHYSICAL SCIENCES **DATE:** September 2015
Title of Course or Degree Change: SCI 3700 - DEVELOPMENTS IN THE PHYSICAL SCIENCES AND THE ENVIRONMENT

Change(s) Initiated: (Please Check)

- | | |
|--|---|
| <input type="checkbox"/> Letter of Intent | <input type="checkbox"/> Proposal (Letter of Intent sent previously) |
| <input type="checkbox"/> Closing of Degree Program | <input type="checkbox"/> Change in Degree Requirements |
| <input type="checkbox"/> New Course* | <input type="checkbox"/> Change in Discipline Code |
| <input type="checkbox"/> New 82 Course | <input checked="" type="checkbox"/> Change in Description |
| <input type="checkbox"/> New Certificate Program | <input type="checkbox"/> Deletion of Course |
| <input type="checkbox"/> Change in Pre/Co-Requisite | <input checked="" type="checkbox"/> Change in Course Titles, Numbers, Crs. &/or Hours |
| <input checked="" type="checkbox"/> Other (please describe): | |

CUNY Common Core Course Submission

I. Required Core C. Life and Physical Sciences

II. Flexible Core E. Scientific World

Change of Course Title, Change of Course Description, Change in Number of Credits

PLEASE ATTACH PERTINENT MATERIAL TO ILLUSTRATE AND EXPLAIN ALL CHANGES

I. DEPARTMENTAL ACTION

Action by Department &/or Departmental Curriculum Committee, if required:

Date approved: 9/14/15

Signature, Committee Chairperson:

Signature, Department Chair:

Date: 9/14/15

II. PROVOST ACTION

Provost to act within 30 days of receipt and forward to College-wide Curriculum Committee exercising one of the following options:

A. Approved

B. Returned to Department with comments

Recommendations (if any):

Signature, Provost:

Date:

III. CURRICULUM SUB-COMMITTEE RECOMMENDATIONS (*FOR NEW COURSES ONLY):

Provost to act within 30 days of receipt and forward to College-wide Curriculum Committee exercising one of the following options:

A. Approved

B. Returned to Department with comments

Recommendations (if any):

Signature, Sub-Committee Chair :

Date:

IV. COLLEGE-WIDE CURRICULUM COMMITTEE ACTION

Committee to act within 30 days of receipt, exercising one of the following options:

A. Approved (and forwarded to Steering Committee)

B. Tabled (and Department notified)

Signature, Chair of Curriculum Committee:

Date:

Change of Course Title / Change of Course Description

The proposed changes are required for the course to comport with present curriculum, Pathways, instructional, and subject matter standards, policies and practices.

Original

SCI 3700 – DEVELOPMENTS IN THE PHYSICAL SCIENCES AND THE ENVIRONMENT (4 crs. 5 hrs.)

Basic concepts in the physical sciences and their applications in today's technologically advance world are presented. The impact that modern technology has on our physical environment is examined. Selected topics include: pollution, ozone layer depletion, global climate change, pesticides and chemicals in food, energy sources (renewable and non-renewable), and medical and military applications of technology. Students will engage in science through application of the methods of science (e.g. empirical, experimental and the scientific method). Students will develop the ability to formulate strong, logical, science-based arguments, evaluate and discuss environmental issues, and test hypothesis to improve problem solving skills.

Proposed

SCI 3700 – DEVELOPMENTS IN THE PHYSICAL SCIENCES (WITH LABORATORY) (3 crs. 5 hrs.)

Basic concepts in the physical sciences and their applications in today's technologically advance world are presented. The impact that modern technology has on our physical environment is examined. Selected topics include: pollution, ozone layer depletion, global climate change, pesticides and chemicals in food, energy sources (renewable and non-renewable), and medical and military applications of technology. Students will engage in science through application of the methods of science (e.g. empirical, experimental and the scientific method). Students will develop the ability to formulate strong, logical, science-based arguments, evaluate and discuss environmental issues, and test hypothesis to improve problem solving skills. Required Core: Life and Physical Sciences Flexible Core: Scientific World (Group E)