

**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 5100 - CHEMISTRY AND THE ENVIRONMENT & SCI 5100LB - CHEMISTRY 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 checked="" 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
- Merging SCI51 (Lecture) & SCI51LB (Laboratory)
- Deletion of SCI51LB (Laboratory)
- Change of Course Title & Change of Course Description

**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]*

Signature, Department Chair: *[Signature]*

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 5100 – CHEMISTRY AND THE ENVIRONMENT (3 crs. 3 hrs.)

An investigation of important topics that involve the state of the environment from a scientific perspective. This course will cover topics that include global warming, stratospheric ozone depletion, acid rain, the carbon and nitrogen cycles, chemical and industrial pollution, the impact of fossil fuels, nuclear energy, and treatment.

SCI 5100LB – CHEMISTRY AND THE ENVIRONMENT (1 crs. 2 hrs.)

The gathering, analysis, interpretation, and presentation of scientific data. The measure of selected physical, chemical and geological properties that influence the structure and function of ecological systems. Selected standard techniques used to observe, sample and describe natural systems.

Prerequisite: SCI 5100

#### ***Proposed***

SCI 5100 – PHYSICAL SCIENCES AND THE ENVIRONMENT (WITH LABORATORY) (3 crs. 5 hrs.)

An investigation of important topics that involve the state of the environment from a scientific perspective. This course will cover topics that include global warming, stratospheric ozone depletion, acid rain, the carbon and nitrogen cycles, chemical and industrial pollution, the impact of fossil fuels, nuclear energy, and treatment. The gathering, analysis, interpretation, and presentation of scientific data. The measure of selected physical, chemical and geological properties that influence the structure and function of ecological systems. Selected standard techniques used to observe, sample and describe natural systems. Required Core: Life and Physical Sciences Flexible Core: Scientific World (Group E)