

**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:** CHM 1200 - GENERAL CHEMISTRY II

**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 type="checkbox"/> Change in Course Titles, Numbers, Crs. &/or Hours |
| <input type="checkbox"/> Other (please describe):   |  |

**PLEASE ATTACH PERTINENT MATERIAL TO ILLUSTRATE AND EXPLAIN ALL CHANGES**

**I. DEPARTMENTAL ACTION**

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

Date approved: 9/16/15

Signature, Committee Chairperson: 

Signature, Department Chair: 

Date: 9/16/15

**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: \_\_\_\_\_

**Original**

CHM 1200 – GENERAL CHEMISTRY II (4 crs. 6 hrs.)

Study of chemical kinetics, equilibrium, acids, bases, salts, weak electrolytes and pH, solubility, entropy and free energy, electrochemistry, transition metal chemistry, nuclear chemistry and selected topics in organic chemistry. Laboratory experiments includes classical and modern chemistry methods. Prerequisite: CHM 1100  
Required Core: Life and Physical Sciences Flexible Core: Scientific World (Group E)

**Proposed**

CHM 1200 – GENERAL CHEMISTRY II (4 crs. 6 hrs.)

Second semester of a two-semester lecture and laboratory sequence intended for science and engineering majors. Lecture topics include: introduction to kinetics, physical and chemical equilibria, acid-base and solubility equilibria, thermodynamics, electrochemistry, coordination chemistry, and introductions to nuclear, main group, and organic chemistry. Laboratory: An experimental approach to chemical sciences with emphasis on developing fundamental, reproducible laboratory technique and a goal of understanding and achieving precision and accuracy in laboratory experiments. Proper use of laboratory equipment and standard wet chemical methods are practiced. Areas of investigations include acid-base, precipitation, and reduction-oxidation equilibria, spectroscopy, qualitative analysis, electrochemistry, and chemical synthesis. Prerequisites: CHM 1100. Required Core: Life and Physical Sciences Flexible Core: Scientific World (Group E)