KINGSBOROUGH COMMUNITY COLLEGE
The City University of New York

CURRICULUM TRANSMITTAL COVER PAGE

Department: Department of Mathematics & Computer Science   **Date:** 03/12/2025

Title Of Course/Degree/Concentration/Certificate: Discrete Structures (CS 3500)

Change(s) Initiated: (Please check)

☐ Closing of Degree
☐ Closing of Certificate
☐ New Certificate Proposal
☐ New Degree Proposal
☐ New Course
☐ New 82 Course (Pilot Course)
☐ Deletion of Course(s)

☐ Change in Degree or Certificate
☐ Change in Degree: Adding Concentration
☐ Change in Degree: Deleting Concentration
☐ Change in Prerequisite, Corequisite, and/or Pre/Co-requisite
☐ Change in Course Designation
☑ Change in Course Description
☐ Change in Course Title, Number, Credits and/or Hours
☐ Change in Academic Policy
☐ Pathways Submission:
    ☐ Life and Physical Science
    ☐ Math and Quantitative Reasoning
    ☐ A. World Cultures and Global Issues
    ☐ B. U.S. Experience in its Diversity
    ☐ C. Creative Expression
    ☐ D. Individual and Society
    ☐ E. Scientific World

☐ Change in Program Learning Outcomes
☐ Other (please describe):_____

PLEASE ATTACH MATERIAL TO ILLUSTRATE AND EXPLAIN ALL CHANGES

DEPARTMENTAL ACTION

Action by Department and/or Departmental Committee, if required:

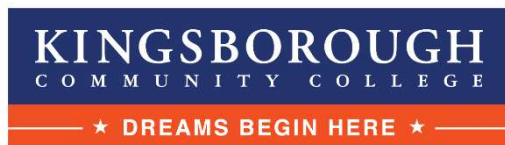Date Approved:_____ Signature, Committee Chairperson:_____

If submitted Curriculum Action affects another Department, signature of the affected Department(s) is required:

Date Approved:_____ Signature, Department Chairperson:_____

Date Approved:_____ Signature, Department Chairperson:_____

I have reviewed the attached material/proposal

Signature, Department Chairperson: Rina Yarmish _____

TO: Spring 2025 Curriculum Committee

FROM: Prof. Yarmish, Chair, Department of Mathematics & Computer Science

DATE: 03/12/2025

RE: Change in Course Description for Discrete Structures (CS 3500)

The Department of Mathematics & Computer Science is proposing a change in Course Description for Discrete Structures (CS 3500):

From:

Sets, matrices, relations and digraphs, functions, order relations and structures, trees and languages, semigroups and groups, finite-state machines and languages.

To:

Topics in Discrete Mathematics, including propositional logic, predicates and quantifiers, proof methods, sets, functions, sequences and sums, divisibility and modular arithmetic, basic combinatorics, zero-one matrices, relations, Euler and Hamilton paths and circuits, shortest path problems, trees, and Boolean functions.

Rationale for Change: The new description better aligns with the course syllabus and was requested by the CUNY Passport Committee to improve course transferability.

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Date Approved:_____**Signature, Department Chairperson:**_____

I have reviewed the attached material/proposal

Signature, Department Chairperson: _Rina Yarmish_____

Revised/Augl.2018/AK

TO: Spring 2025 Curriculum Committee

FROM: Prof. Yarmish, Chair, Department of Mathematics & Computer Science

DATE: 12/18/2024

RE: Change in Course Prerequisite for Discrete Structures (CS 3500)

The Department of Mathematics & Computer Science is proposing a change in Course Prerequisite for Discrete Structures (CS 3500):

From:

Prerequisite(s): CS 1200 with a grade of "C" or higher and MAT 1500 with a grade of "C+" or higher

To:

Prerequisite(s): CS 1200 with a grade of "C" or better MAT 1500 with a grade of "C" or better

Rationale for Change: Decision of Mathematics Department curriculum committee has determined that a grade of "C" in MAT 1500 is required.