LEHMAN COLLEGE
OF THE
CITY UNIVERSITY OF NEW YORK

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

CURRICULUM CHANGE

1. **Type of Change**: Experimental undergraduate course.

2. **Course Description** MAT 126 Quantitative Reasoning: *3 hours, 3 credits*. Survey of modern quantitative techniques in a variety of disciplines. Critical thinking and mathematical/quantitative literacy are emphasized. **PREREQUISITE**: > 60 on the algebra section of the Compass exam or Department permission.

   **NOTE:**
   This course provides a student-optional one-hour per week homework review session with the instructor.

3. **Rationale**: There is an emphasis at the City University of New York on Quantitative Reasoning and Mathematics. This three hour three-credit course is a core course to satisfy these demands.

4. **Learning Objectives (By the end of the course students will be expected to)**:
   - Interpret and draw appropriate inferences from quantitative representations, such as formulas, graphs, or tables.
   - Use algebraic, numerical, graphical, or statistical methods to draw accurate conclusions and solve mathematical problems.
   - Represent quantitative problems expressed in natural language in a suitable mathematical format.
   - Effectively communicate quantitative analysis or solutions to mathematical problems in written or oral form.
   - Evaluate solutions to problems for reasonableness using a variety of means, including informed estimation.

5. **Date of Departmental Approval**: October 11, 2012