**LEHMAN COLLEGE
OF THE
CITY UNIVERSITY OF NEW YORK**

DEPARTMENT OF MATHEMATICS

CURRICULUM CHANGE

1. **Type of change:** New Experimental Course

2.

Department(s)	Mathematics
Career	[X] Undergraduate [ ] Graduate
Academic Level	[X] Regular [ ] Compensatory [ ] Developmental [ ] Remedial
Subject Area	Mathematics
Course Prefix & Number	MAT 039
Course Title	Topics For Intensive Support Of Gateway Math Success
Description	(May be repeated up to five times.) Various topics in mathematics to intensively support student success in gateway mathematics courses. Consult with the department for specific topics and sections.
Pre/ Co Requisites	Departmental Permission
Credits	0
Hours	3
Liberal Arts	[X] Yes [ ] No
Course Attribute (e.g. Writing Intensive, WAC, etc)	
General Education Component	_X__ Not Applicable ____ Required ____ English Composition ____ Mathematics ____ Science ____ Flexible ____ World Cultures ____ US Experience in its Diversity ____ Creative Expression ____ Individual and Society ____ Scientific World

3. **Rationale:**

The Math Department regularly offers 3-hour, 0-credit workshops to help students complete their gateway Mathematics course requirements. These intensive workshops support student success by providing structured review and enrichment on targeted topics which, depending on the workshop, include arithmetic; algebra, quantitative reasoning, statistics, precalculus, and calculus. Having a formal course for these workshops is needed for logistical matters such as the payment of instructors, tracking of student success, and coordination of student schedules.

This class should be programmed to include the following attributes:

- 3 total contact hours
- 0 credits
- 0 academic progress units
- 0 financial aid units
- Can be repeated up to 5 times.
- Pass/Fail Grading Modality
- Experimental Course

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

5. **Date of Departmental Approval:** February 26, 2024