

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

DEPARTMENT OF EARTH, ENVIRONMENTAL, AND GEOSPATIAL SCIENCES

CURRICULUM CHANGE

1. Type of change: N/A

2. Course Description:

GEO 490: Honors in Geology.

One semester; 2, 3, or 4 credits (may be repeated for a maximum of 6 credits). Individual research, including reading and—in some cases—laboratory or field investigations, to be carried out under the individual guidance of a staff member. The results must be embodied in an honors essay or other suitable presentation. PREREQ: Departmental permission.

3. Rationale:

This course is designed for students who would like to gain experience in field methods of physical geology, learn how to make hypotheses, find physical evidences and test it. Many physical features on terrain are obscured and hard to interpret. Therefore, daily field work provides students with the ability to recognize characteristic features of the terrain and specific features (rocks, plants, etc.) and place them in the context of regional geological-geographical development. Use of field mapping techniques (cross-sections, GPS, etc.) will introduce students to analytical and quantitative methods.

4. Learning Objectives (By the end of the course students will be expected to):

Through a series of field excursions students will have the opportunity to learn about observations, information synthesis and collected data interpretation. At the successful completion of this course, students will be able to:

- Better understand the terrain and its geologic features;
- Distinguish various geologic features and integrate this knowledge with a regional geologic and geographic history;
- Integrate field data collection with analytical methods.

5. Course Categories:

- Liberal Arts & Sciences