LEHMANN COLLEGE
OF THE
CITY UNIVERSITY OF NEW YORK

DEPARTMENT OF
ENVIRONMENTAL, GEOGRAPHIC, AND GEOLOGICAL SCIENCES

CURRICULUM CHANGE

1. Type of change: New Course

2. Course Description:

GEP 660: Geovisualization and Analytical Cartography, 6 hours (2 lecture, 4 lab), 4 credits. Creating maps using advanced Geographic Information Science (GISc) techniques with a focus on understanding cartographic conventions and principles of good cartographic design, and analysis of complex spatial data through geovisualization methods. Maps will be studied critically in terms of their creation, interpretation, and relationship to space and place. PREREQ: GEP 504 or GEP 505 or instructor’s permission.

3. Rationale:
This course will serve as an elective in the graduate GISc Certificate program and support the GISc program and other EGGS Department coursework. GISc graduate students need to have the opportunity to learn advanced cartographic and GISc techniques and have a more in depth treatment of critical GISc issues.

4. Learning Objectives (By the end of the course students will be expected to):
   - Understand cartographic conventions, principles of good cartographic design, and aesthetics, in order to create effective maps.
   - Recognize, appreciate, and utilize good cartographic principles in order to correctly interpret maps and communicate information and ideas.
   - Perform analysis of complex spatial data through geovisualization.
   - Understand the critical and social implications of maps and GISc.

5. Date of Departmental Approval:
   March 25, 2010