LEHMAN COLLEGE
OF THE
CITY UNIVERSITY OF NEW YORK

DEPARTMENT OF EARTH, ENVIRONMENTAL AND GEOSPATIAL SCIENCES

CURRICULUM CHANGE

1. **Type of Change:** description, title, prerequisites, and remove experimental attribute

2. **From:** ~~Strikethrough~~ the changes

Department(s)	Earth, Environmental and Geospatial Sciences
Career	[x] Undergraduate [ ] Graduate
Academic Level	[x] Regular [ ] Compensatory [ ] Developmental [ ] Remedial
Subject Area	Geography
Course Prefix & Number	GEP 375
Course Title	~~Data Acquistion Gis~~
Description	Acquisition of spatial data and its integration into analytical frameworks for geological and geographic analysis. Use of Geographic Information Systems (GIS) for mapping and data analysis, development of practical skills (such as programming) for work with ~~collected~~ terrain data, satellite imagery and scanned media. ~~Labs will analyze data collected in the field using Global Positioning Systems (GPS) and from various agencies, process and post- process collected data; address issues of accuracy and use of GPS in planning.~~
Pre/ Co Requisites	
Credits	3
Hours	4
Liberal Arts	[ ] Yes [x] No
Course Attribute (e.g. Writing Intensive, WAC, etc)	~~EXPR - EXPR (Experimental)~~
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. **To:** Underline the changes

Department(s)	Earth, Environmental and Geospatial Sciences
Career	[x] Undergraduate [ ] Graduate
Academic Level	[x] Regular [ ] Compensatory [ ] Developmental [ ] Remedial
Subject Area	Geography
Course Prefix & Number	GEP 375
Course Title	Data Acquisition and Integration Methods for GIS Analysis
Description	Acquisition of spatial data and its incorporation into analytical frameworks for geological and geographic analysis. Use of Geographic Information Systems (GIS) for mapping and data analysis, development of practical skills (such as programming) for work with terrain data, satellite imagery and scanned media.
Pre/ Co Requisites	Prereq GEP 204 or GEP 205 or departmental permission
Credits	3
Hours	4 (2 hrs lecture, 2 hrs lab)
Liberal Arts	[ ] Yes [x] 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

4. **Rationale (Explain how this change will impact the learning outcomes of the department and Major/Program):**

The course description was changed to address modern needs for students in data acquisition and integration. For example, the addition of Python programming will make our students more marketable. The emphasis on acquiring and integrating data from multiple online sources will prepare our students for a wide variety of careers. This is an advanced course that requires students to have background in GIS. The pre-requisite is added to ensure that students are prepared to succeed in the course. The course has been taught many times and thus the EXPR - EXPR (Experimental) attribute should be removed.

5. **Date of departmental approval:** September 9, 2024