

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

DEPARTMENT OF SOCIOLOGY

CURRICULUM CHANGE

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

2.

Department(s)	Sociology
Career	<input checked="" type="checkbox"/> Undergraduate <input type="checkbox"/> Graduate
Academic Level	<input checked="" type="checkbox"/> Regular <input type="checkbox"/> Compensatory <input type="checkbox"/> Developmental <input type="checkbox"/> Remedial
Subject Area	Data Science Methods and Applications
Course Prefix & Number	DAT 351
Course Title	Special Topics in Data Science
Description	Investigation of theories, issues, and methods on various topics in Sociology.
Pre/ Co Requisites	NA
Credits	3
Hours	3
Liberal Arts	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Course Attribute (e.g. Writing Intensive, WAC, etc)	NA
General Education Component	<input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Required <input type="checkbox"/> English Composition <input type="checkbox"/> Mathematics <input type="checkbox"/> Science <input type="checkbox"/> Flexible <input type="checkbox"/> World Cultures <input type="checkbox"/> US Experience in its Diversity <input type="checkbox"/> Creative Expression <input type="checkbox"/> Individual and Society <input type="checkbox"/> Scientific World

3. **Rationale:**

Adding a special topics class will allow us to offer courses in data science topics that take advantage of faculty expertise but are not planned to be regularly offered.

4. **Learning Outcomes (By the end of the course students will be able to):**

- Be able to describe a specific area within data science methods and applications.
- Be able to explain major debates or approaches within that area.
- Be able to apply the principles taught to appropriate data or data science problems.

5. **Date of Departmental Approval:**

Sociology 3/10/2021
Data Science advisory board 3/8/21

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Subject Area	Data Science Methods and Applications
Course Prefix & Number	DAT 481
Course Title	Advanced Tutorial in Data Science Methods and Applications
Description	Advanced Individualized study. Topics to be arranged between student and instructor.
Pre/ Co Requisites	Departmental permission
Credits	3
Hours	3
Liberal Arts	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Course Attribute (e.g. Writing Intensive, WAC, etc)	
General Education Component	<input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Required <input type="checkbox"/> English Composition <input type="checkbox"/> Mathematics <input type="checkbox"/> Science <input type="checkbox"/> Flexible <input type="checkbox"/> World Cultures <input type="checkbox"/> US Experience in its Diversity <input type="checkbox"/> Creative Expression <input type="checkbox"/> Individual and Society <input type="checkbox"/> Scientific World

3. **Rationale:**

Adding an advanced tutorial will give students who wish to do a substantial specialized

project such as a research project, development of a data application, or other options of similar scope, as determined by the supervising faculty member.

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

- Explain a specialized topic in data science methods and applications in depth.
- Communicate the results of their study to appropriate audience(s).

5. **Date of Departmental Approval:**

Sociology 3/10/2021
Data Science advisory board 3/8/21