

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

DEPARTMENT OF BIOLOGICAL SCIENCES

CURRICULUM CHANGE

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

2.

Department(s)	Biological Sciences
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	Immunology
Course Prefix & Number	BIO 350
Course Title	Introduction to Immunology
Description	This course will focus on the comprehension, application, and synthesis of important immunology concepts. This course is an introductory course that which will examine both normal and disease states of the immune system. The course will use current and traditional research techniques in the lab to emphasize what is learned in the lecture.
Pre/ Co Requisites	Course Prerequisites: Introductory Biology and at least one BIO 200 or 300 level course
Credits	4 credits
Hours	6 hours (2 lecture, 4 lab)
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
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3. **Rationale:** Immunology is a foundational course for the study of the human biology. The field of Immunology is extensive and includes the response to foreign bodies, the maintenance of tissues, and the response and repair to lacerations. Students pursuing a career in the medical science should acquire and understand these responses. Introductory Immunology is needed because it enriches the biology curriculum and provides a more comprehensive study of human biology.

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

- Define the major components of the innate and adaptive immune response
- Integrate the key processes and mediators involved in the development and control of the immune system
- Predict the response raised by the body in consequence of various immunogenic threats
- Deduce causes and consequences of the failure of the immune system
- Describe current or future approaches having the potential to enable manipulation of the immune system to our own therapeutic benefit
- Use appropriate terminology in immunology during written and oral communication
- Organize ideas for written communication
- Extract and assimilate key concepts in immunology from a written source

5. **Date of Departmental Approval:** September 25, 2014