

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

DEPARTMENT OF BIOLOGICAL SCIENCES

CURRICULUM CHANGE

1. **Type of Change:** *Course title, hours, credits, prerequisites*

2. **From:**

Department(s)	Biological Sciences
Career	<input type="checkbox"/> Undergraduate <input checked="" type="checkbox"/> Graduate
Academic Level	<input checked="" type="checkbox"/> Regular <input type="checkbox"/> Compensatory <input type="checkbox"/> Developmental <input type="checkbox"/> Remedial
Subject Area	Biology
Course Prefix & Number	BIO 615
Course Title	Medical Microbiology
Description	Study of disease mechanisms, involving bacteria, viruses, fungi, and parasites. A case-based approach focused on common clinical symptoms, diagnostic laboratory tests, and treatment options.
Pre/ Co Requisites	BIO 331(Experimental Microbiology) and Permission of the Graduate Advisor.
Credits	4
Hours	6 (2, lecture; 4 lab)
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. To:

Department(s)	Biological Sciences
Career	<input type="checkbox"/> Undergraduate <input checked="" type="checkbox"/> Graduate
Academic Level	<input checked="" type="checkbox"/> Regular <input type="checkbox"/> Compensatory <input type="checkbox"/> Developmental <input type="checkbox"/> Remedial
Subject Area	Biology
Course Prefix & Number	BIO 615
Course Title	<u>Principles of Medical Microbiology</u>
Description	Study of disease mechanisms, involving bacteria, viruses, fungi, and parasites. A case-based approach focused on common clinical symptoms, diagnostic laboratory tests, and treatment options.
Pre/ Co Requisites	Prerequisite: <u>BIO 166, and BIO 167, and BIO 238, and BIO 331, and CHE 232 and CHE 233</u>
Credits	<u>2</u>
Hours	<u>2</u>
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

4. Rationale:

We are removing the lab component so that the lecture-only course can be taught more readily and thus increase the variety of courses that are offered at the department. Most students taking the course are preparing for exams to apply for health-care professions. Focusing on the lecture-only concepts will help them prepare for these exams. We also are changing the title to ensure that it is distinct from its undergraduate counterpart.

5. Date of departmental approval: 10/06/21

**LEHMAN COLLEGE
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DEPARTMENT OF BIOLOGICAL SCIENCES

CURRICULUM CHANGE

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

2.

Department(s)	Biological Sciences
Career	<input type="checkbox"/> Undergraduate <input checked="" type="checkbox"/> Graduate
Academic Level	<input checked="" type="checkbox"/> Regular <input type="checkbox"/> Compensatory <input type="checkbox"/> Developmental <input type="checkbox"/> Remedial
Subject Area	Biology
Course Prefix & Number	BIO 616
Course Title	Principles of Medical Microbiology Laboratory
Description	Application of microbiological techniques for research and diagnosis of infectious diseases.
Pre/ Co Requisites	Prerequisite: BIO 166, and BIO 167, and BIO 238, and BIO 331, and CHE 232 and CHE 233 Corequisite: BIO 615 or BIO 415
Credits	2
Hours	4
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:**

To improve students' problem-solving abilities, it is critical that they learn technical and thinking skills by conducting hands-on experiments relevant to medical microbiology.

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

- Be able to apply microbiological techniques for research and diagnosis of infectious diseases.
- Demonstrate the ability to communicate research results relevant to diagnosis of infectious diseases.

5. **Date of Departmental Approval:** 10/06/21