



## COURSE EXIT SURVEY

### General Microbiology (BIO 231)

As a student of the Biotechnology & Genetic Engineering program, your feedback about the program courses is very important in helping us to improve the course and to maintain the accreditation of the program. This survey is about your personal experiences as **a student** in this course. Please select the best response, as it applies to you **personally, not to** the general population of Biotechnology & Genetic Engineering students.

The **Course Learning Outcomes** listed below state the skills, knowledge and attributes that the graduates of the Biotechnology & Genetic Engineering program are expected to achieve **upon completion of this course**.

#### Course Learning Outcomes (CLOs)

The following outcomes were met for me **personally**:

- |                   |                      |                        |
|-------------------|----------------------|------------------------|
| 1. Strongly Agree | 2. Agree             | 3. Neither/nor         |
| 4. Disagree       | 5. Strongly Disagree | 6. NA (Not Applicable) |

CLO's	Outcome	1	2	3	4	5	NA
CLO1	Describe the surface structure as well as the internal structure of bacterial cells and their functions						
CLO2	Describe the nutritional and physical requirements for bacterial growth and the effect of environment on bacteria and explain the dynamics of the growth of a bacterial population and how this growth can be measured						
CLO3	Describe the principals involved in killing bacteria, and be able to decide on the use of physical and chemical methods including antimicrobial chemotherapeutic agents used to control microbial growth in industrial and medical settings						
CLO4	Express the fundamental concepts associated with viruses including a detailed understanding of viral classification and replication						
CLO5	Comprehend the modern scheme of bacterial classification using molecular microbiology methods and be familiar with major groups of bacteria and fungi and their importance in medical, environmental and food industry						
CLO6	Understand ways in which bacterial pathogens can be transmitted to humans, and the factors that influence transmission of pathogens and the occurrence of infectious diseases. This includes the concepts of virulence and virulence factors, opportunistic pathogens, and predisposing factors to disease						

Your comments on these outcomes and suggestions for improving the course to achieve them.