

Sample SLOs for:

Microbiology

Compare and contrast the characteristics for various microbes with regards to infections, treatment, and control. (This includes prions, viruses, bacteria, protozoans, and multicellular parasites.)

Explain the dynamics of commensal, opportunistic, and pathological relationships particularly between microbes and humans.

Evaluate and apply the proper methods of microbial control necessary in sample scenarios or case studies.

Describe microbial metabolic pathways in general terms and specifically evaluate the implications for food production and human disease

Summarize basic bacterial genetic principles and analyze consequences of mutation and genetic recombination.

Articulate and diagram the role of the immune system in maintaining homeostasis, challenging infections, and fighting cancer.

Apply the scientific method by stating a question; researching the topic; determining appropriate tests; performing tests; collecting, analyzing, and presenting data; and finally proposing new questions about the topic.

Correctly perform microbiologic lab skills and display a habit of good lab practices which extends to relevant situations in the student's homes.

Retrieve, evaluate, and use contemporary microbiologic information.

Source: <http://www2.bc.cc.ca.us/bio16/Student%20Learning%20Outcomes.htm>

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Note: These sample SLOs are provided as a model for the creation of SLOs for your own course or program. If you have questions, or would like assistance in writing SLOs, please contact Dr. Gary Williams, Instructional Assessment Specialist, at (909) 389-3567 or gwilliams@craftonhills.edu.