



Mendocino College

COURSE LEVEL STUDENT LEARNING OUTCOMES

Effective Date:

10/25/2007

Title: Microbiology **Discipline/Number:** Bio 259
(limit to 50 characters including spaces)

Instructor Sue Blundell/Alan West/Rachel Donham **Date Submitted** 9/4/2007
Contact: _____ **/Modified:** _____

Units Min:		Units Max:		Lecture Hours:		Lab Hours:	
<i>If this is a variable unit course, the relationship between earned units and any difference in expected SLOs should be explained.</i>							

Student Learning Outcomes:

Upon completion of this course:

1. Students will demonstrate the awareness of the diversity of life, the evolutionary processes which result in that diversity, as well as the evolutionary relationships and ecological linkages of living organisms.
2. Students will demonstrate the ability to think critically and to integrate factual conceptual information into an understanding of scientific data and information.
3. Students will demonstrate the ability to communicate biological scientific understanding effectively with individuals.
4. Students will demonstrate an understanding of and appreciation for the role of biological science in modern society.
5. Students will demonstrate and understanding of the central metabolic pathways used by biological organisms.
6. Students will demonstrate the ability to use microbiological laboratory techniques used within modern research to effectively isolate individual pathogens.

Methods for assessing SLO's:

1. Evaluation of the adopt-a-Pathogen Project
2. Evaluation of the Integrated Metabolic Map
3. Evaluation of the unknown Project
4. Evaluation of Clinical Application Questions
5. Successful completion of Laboratory Exercises
6. Embedded laboratory test questions that directly relate to the SLOs
7. Embedded lecture test questions that directly relate to the SLOs

Instructor(s): _____
(Signature)

(Signature)

(Date)

(Date)