

Standard Institutionally Developed College: N/A

EDGE Compatible: No

Pre-requisites

BIOL 2113 - Anatomy and Physiology I (201003)

Co-requisites

BIOL 2117 - Introductory Microbiology (201003)

Course Description

Selected laboratory exercises paralleling the topics in BIOL 2117. The laboratory exercises for this course include microbial diversity, microbial cell biology, microbial genetics, interactions and impact of microorganisms and humans, and microorganisms and human disease.

Course Length

	Minutes	Contact Unit
Lecture:	0	
Lab 2:	0	
Lab 3:	2250	
Practicum/Internship:	0	
Clinical:	0	
Total:	2250	1

Semester Credit Hours: 1

Competencies

Order	Description	Lecture	Lab2	Lab3	Practicum/Internship	Clinical	Total Minutes	Semester Credit Hrs
1	Laboratory Safety	0	0	60	0	0	60	0
2	Microscope Use	0	0	60	0	0	60	0
3	Aseptic Technique	0	0	60	0	0	60	0
4	Microbial Growth	0	0	60	0	0	60	0
5	Microbial Diversity	0	0	465	0	0	465	0
6	Microbial Cell Biology	0	0	540	0	0	540	0
7	Microbial Genetics	0	0	225	0	0	225	0
8	Interactions and Impact of Microorganisms and Humans	0	0	540	0	0	540	0

Order	Description	Lecture	Lab2	Lab3	Practicum/ Internship	Clinical	Total Minutes	Semester Credit Hrs
9	Microorganisms and Human Disease	0	0	240	0	0	240	0
	Totals for Course BIOL 2117L - Introductory Microbiology Lab (version 201203):	0	0	2250	0	0	2250	1

Learning Outcomes

Laboratory Safety

Order	Description	Learning Domain	Level of Learning
1	Discuss and apply laboratory exercises encompassing the appropriate practice of laboratory precautions and laboratory safety.	Cognitive	Comprehension

Microscope Use

Order	Description	Learning Domain	Level of Learning
1	Discuss and use laboratory exercises encompassing proper care and use of the microscope.	Cognitive	Comprehension

Aseptic Technique

Order	Description	Learning Domain	Level of Learning
1	Discuss and use laboratory exercises encompassing the practice and utilization of aseptic technique.	Cognitive	Comprehension

Microbial Growth

Order	Description	Learning Domain	Level of Learning
1	Discuss and use laboratory exercises encompassing control of microbial growth.	Cognitive	Comprehension

Microbial Diversity

Order	Description	Learning Domain	Level of Learning
1	Perform and apply laboratory exercises encompassing microbial diversity.	Cognitive	Synthesis

Microbial Cell Biology

Order	Description	Learning Domain	Level of Learning
1	Perform and apply laboratory exercises encompassing microbial cell biology.	Cognitive	Synthesis

Microbial Genetics

Order	Description	Learning Domain	Level of Learning
1	Perform and apply laboratory exercises encompassing microbial genetics.	Cognitive	Synthesis

Interactions and Impact of Microorganisms and Humans

Order	Description	Learning Domain	Level of Learning
1	Perform and apply laboratory exercises encompassing interactions and impact of microorganisms and humans.	Cognitive	Synthesis

Microorganisms and Human Disease

Order	Description	Learning Domain	Level of Learning
1	Perform and apply laboratory exercises encompassing microorganisms and human disease.	Cognitive	Synthesis

References

No Course References entered for this Course.