

Standard  Institutionally Developed College: N/A

EDGE Compatible: No

**Pre-requisites**

Program Admission

**Co-requisites**

BIOL 1111 - Biology I ( 201003 )

**Course Description**

Selected laboratory exercises paralleling the topics in BIOL 1111. The laboratory exercises for this course include chemical principles related to cells, cell structure and function, energy and metabolism, cell division, protein synthesis, genetics, and biotechnology.

**Course Length**

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

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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	Chemical Principles Related to Cells	0	0	320	0	0	320	0
3	Cell Structure and Function	0	0	320	0	0	320	0
4	Energy and Metabolism	0	0	370	0	0	370	0
5	Cell Division	0	0	380	0	0	380	0
6	Protein Synthesis	0	0	380	0	0	380	0
7	Genetics	0	0	420	0	0	420	0
<b>Totals for Course BIOL 1111L - Biology Lab I ( version 201103 ):</b>		<b>0</b>	<b>0</b>	<b>2250</b>	<b>0</b>	<b>0</b>	<b>2250</b>	<b>1</b>

## 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

Chemical Principles Related to Cells			
Order	Description	Learning Domain	Level of Learning
1	Perform and apply laboratory exercises encompassing chemical principles related to cells.	Cognitive	Synthesis

Cell Structure and Function			
Order	Description	Learning Domain	Level of Learning
1	Perform and apply laboratory exercises encompassing cell structure and function.	Cognitive	Synthesis

Energy and Metabolism			
Order	Description	Learning Domain	Level of Learning
1	Perform and apply laboratory exercises encompassing energy and metabolism.	Cognitive	Synthesis

Cell Division			
Order	Description	Learning Domain	Level of Learning
1	Perform and apply laboratory exercises encompassing cell division.	Cognitive	Synthesis

Protein Synthesis			
Order	Description	Learning Domain	Level of Learning
1	Perform and apply laboratory exercises encompassing protein synthesis.	Cognitive	Synthesis

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

## References

No Course References entered for this Course.