

General College Biology

Science

Grade(s) 11th - 12th, Duration 1 Year, 1 Credit
Elective Course
Dual Credit

Course Overview

This course is the first series of life science college classes that present basic knowledge in the field of biology. This course provides a foundation for advanced biology classes. BI101 includes both a lecture and laboratory component. These courses focus on molecular and cellular level processes, including methods of scientific study, basics of chemistry, cell biology, membranes, enzymes, cell division, metabolism, photosynthesis, and genetics.

Timeframe	Unit	Scope And Sequence
		Instructional Topics
3 Week(s)	Biological Concepts	
3 Week(s)	Scientific Method & Project Research	
4 Week(s)	Chemistry Concepts	
4 Week(s)	Microscopy	
3 Week(s)	Biochemical Reactions	
3 Week(s)	Cell Communication & Cell Division	
4 Week(s)	Laws of Inheritance	
6 Week(s)	Gene Expression	
3 Week(s)	Population Genetics & Biodiversity	

Prerequisites

10th Grade Pre College Biology or A in Biology with Instructor Recommendation

Course Details

Unit: Biological Concepts	Duration: 3 Week(s)
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Unit: Scientific Method & Project Research	Duration: 3 Week(s)
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Unit: Chemistry Concepts	Duration: 4 Week(s)
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Unit: Microscopy	Duration: 4 Week(s)
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Unit: Biochemical Reactions	Duration: 3 Week(s)
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Unit: Cell Communication & Cell Division	Duration: 3 Week(s)
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Unit: Laws of Inheritance	Duration: 4 Week(s)
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Unit: Gene Expression	Duration: 6 Week(s)
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Unit: Population Genetics & Biodiversity	Duration: 3 Week(s)
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