Biochemistry – C624
Course Feedback

Overview

Biochemistry covers the structure and function of the four major polymers produced by living organisms. These include nucleic acids, proteins, carbohydrates, and lipids. This course focuses on application! Be sure to understand the underlying biochemistry in order to grasp how it is applied. By successfully completing this course, you will gain an introductory understanding of the chemicals and reactions that sustain life. You will also begin to see the importance of this subject matter to health.

Competencies

▲ Lipids
The graduate explains how lipids are essential to the normal function of cells and the impact of abnormal lipid metabolism on the human body.

▲ Carbohydrate Metabolism and Adenosine Triphosphate (ATP)
The graduate analyzes the role of ATP in carbohydrate metabolism and the impact of irregular ATP synthesis on the human body.

▲ Enzymology and Catalytic Mechanism
The graduate explains how the structure and function of enzymes and inhibitors in reactions impact the human body.

▲ Myoglobin and Hemoglobin
The graduate explains how the structure and function of myoglobin and hemoglobin impact the human body.

▲ Amino Acids, Peptide Bonds, and Protein Structure
The graduate explains how the structure and composition of amino acids and proteins impact the human body.

▲ DNA and RNA
The graduate demonstrates how nucleic acid polymers can transform cells and transmit information within the cell.
In this course, you will use a variety of learning resources, including videos, podcasts, and readings to learn the basics of biochemistry. Then you will apply what you've learned to complete an objective assessment covering all the topics in this course. Start by skimming the competencies covered in the course, and reading the information about preparing for success. Then, click the “Go to Course Material” button to access the learning resources for this course.

Cohort Sign–up
Cohorts provide additional structure and support for challenging aspects of this course. In a cohort you receive specific homework assignments and meet online with mentors and students regularly to discuss the challenging topics.

Assessments

- **Pre-Assessment: Biochemistry Objective Assessment**
  - STATUS: Not Attempted
  - # OF ITEMS: 70
  - TIME ALLOTTED: 120 minutes
  - CODE: PJFO

- **Objective Assessment: Biochemistry**
  - STATUS: Not Attempted
  - # OF ITEMS: 70
  - TIME ALLOTTED: 120 minutes
  - CODE: JFO1
A score of **Competent** or **Exemplary** is required to pass all assessments. Passing a preassessment does not guarantee you will pass the high stakes assessment.

On objective assessments, you will be charged a retake fee for the third attempt and every attempt thereafter. For more information [click here](https://my.wgu.edu/courses/course/9620002).

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**Course Information**

- The Writing Center
- WGU Library
- Accessibility Policy
- Student Success Center
- Professional Disposition Statements
- Pacing Guide
- Flashcards
- Live Events Calendar

**Course Instructor**

- **(877) 435-7948 Ext. 3172**
- **biochemistry@wgu.edu**
- Schedule an Appointment with any Mentor
- Chat with a Course Instructor

**Course Instructor Group**

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