This course supports the performance assessment tasks for Biochemistry.

Introduction

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.

Your Course
Complete "Biochemistry" in WileyPlus. Plan to complete one unit within the assignments tab each week.

Launch Course

Teaching Dispositions Statement
Please review the WGU Statement of Teaching Dispositions.

Additional Support

The information in this section is provided to detail the resources available for you to use as you complete this course.

Supplemental Learning Resources
Biochemistry in WileyPlus is the recommended learning resource. Additional materials listed here are optional and may help clarify concepts that are causing you trouble, offer new perspectives, or present content through different media in order to help solidify your understanding.

Thinkwell Biochemistry

This web-based resource includes multimedia video lectures, review notes, interactive animations, and sample exercises.

Chemistry Refresher

section 2.1 ("An Introduction to Atoms")
section 2.2 ("Atoms and Bonding")
section 2.3 ("Properties of Water")

Task 1: Nucleic Acids
section 2.4 ("Carbon Chemistry")
section 6.4 ("Events of DNA Replication")
section 9.7 ("Inheritance Patterns")
section 2.6 ("Lipids and Nucleic Acids")
section 3.1 ("An Introduction to Cell Biology")
section 3.2 ("Membrane-Bound Organelles")

Task 2: Proteins

section 2.7 ("Proteins")
section 2.8 ("Enzymes")
section 2.9 ("Enzyme Action")
section 4.3 ("Aerobic Respiration")
section 12.4 ("Gas Exchange and Transport Systems")

Task 3: Metabolism

section 2.5 ("Carbohydrates")
section 2.6 ("Lipids and Nucleic Acids")
section 3.1 ("An Introduction to Cell Biology")
section 3.2 ("Membrane-Bound Organelles")
section 3.4 ("The Plasma Membrane")
section 4.2 ("Glycolysis and Fermentation")
section 4.4 ("The Electron Transport Chain and Oxidative Phosphorylation")

Supplemental Readings

Biochemistry: APA Formatting and Originality provides generally-useful APA advice, information on the TurnItIn software integrated in Taskstream, and tips on citing the learning resources in this course.

Biochemistry for Dummies is available from the WGU Library. This is a handy reference book even for non-dummies!

Mentor Support

Cohorts

A cohort guides you through the material by providing daily checklists that organize the activities and help you complete the task in 4-5 days. Check availability and register for a cohort at the Biochemistry Cohort Sign-Up Form.

Contact a Mentor

Please see the following document for a schedule of when your course instructors are available to take your call:
• “Biochemistry CM Office Hours”

If you would like to schedule an appointment with one of your course instructors, you can do so by accessing the team calendar.

Live Events-Biochemistry

Access to Live Events

• Teleconference Line: 1-855-810-8948
• Pass Code: 772313#
• Webinar and Q&A Link

Please join the webinar or Q&A by entering your full name into the guest field.

Research Support

The WGU Library

The WGU Library is available online to WGU students 24 hours a day.

For more information about using the WGU Library, view the following videos on The WGU Channel:

• WGU: Accessing the Library
• WGU Library: Finding Articles, Books, & E-Reserves

For clarification and concise explanations, Wikipedia and Internet searches are not recommended within Biochemistry. The WGU Library includes an excellent reference work for such cases: the Concise Encyclopedia Biochemistry and Molecular Biology.

Center for Writing Excellence: The WGU Writing Center

If you need help with any part of the writing or revision process, contact the Center for Writing Excellence (CWE). Whatever your needs—writing anxiety, grammar, general college writing concerns, or even ESL language-related writing issues—the CWE is available to help you. The CWE offers personalized individual sessions and weekly group webinars. For an appointment, please e-mail writingcenter@wgu.edu.

Feedback

WGU values your input! If you have comments, concerns, or suggestions for improvement of this course, please submit your feedback using the following form:

• Course Feedback

ADA Policy

Western Governors University recognizes and fulfills its obligations under the Americans with Disabilities Act of 1990 (ADA), the Rehabilitation Act of 1973 and similar state laws. Western Governors University is committed to provide reasonable accommodation(s) to qualified
disabled learners in University programs and activities as is required by applicable law(s). ADA Support Services serves as the principal point of contact for students seeking accommodations and can be contacted at ADASupport@wgu.edu. Further information on WGU’s ADA policy and process can be viewed in the student handbook at the following link:

- [Policies and Procedures for Students with Disabilities](#)