



Davao del Sur State College
Brgy. Matti, Digos City, Davao del Sur

CHEM 602

BIOCHEMISTRY

LABORATORY



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PREFACE

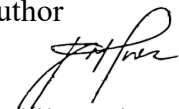
This instructional material has been developed to support the laboratory component of the Biochemistry course through an outcomes-based approach. It serves as a practical guide that complements the lecture course by providing students with learning activities that reinforce fundamental biochemical concepts and develop essential laboratory and analytical skills.

The instructional material consists of a series of activities covering key topics in biochemistry, including cell structure, water and acid-base chemistry, amino acids, proteins, enzymes, lipids, nucleic acids, the central dogma of molecular biology, and carbohydrates. Each activity is designed to promote active learning through observation, data analysis, problem-solving, and the application of biochemical principles to real-world and scientific contexts.

The activities are aligned with the intended course outcomes and are structured to help students strengthen their understanding of biomolecules and biochemical processes while developing scientific inquiry, critical thinking, teamwork, and effective communication.

It is hoped that this instructional material will serve as a valuable resource for both students and instructors in achieving the objectives of this course. While every effort has been made to ensure the accuracy and relevance of the content, constructive comments and suggestions are welcome for the continuous improvement of future editions.

The Author



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