

# CM305 Biochemistry for Health Science

Offered in Spring 2024, Mon/Wed/Fri 2:00pm – 2:50pm

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## This course provides:

A general introduction to the biochemical basis of various cellular functions and their relevance to disease, and a fundamental knowledge that is essential to the study of biochemistry at advanced levels.

## Prerequisites:

This course is intended for health science / non-science major students who **have no previous background in science**, particularly introductory health science students, and will include some chemistry and biology basics. Biochemistry is integrated with physiology and cell biology.

## Course contents include (but are not limited to):

- Structure, function, and chemistry of biomolecules amino acids, proteins, enzymes, lipids, carbohydrates, and nucleic acids
- Energy metabolism
- Molecular genetics and its applications
- The biochemistry of cancer and auto recessive diseases
- Recent biotechnology

