

# Block 3 OnePager

## Overview

### Exam Dates

Structure Exam : Feb. 11

SSEQ Feb. 13

NBME Feb 14

### Learning Tips

Æ Integrate new topics with Blocks 1 & 2

Æ Add context to difficult concepts

Æ Memorize as a last resort-link pathways together and visualize the 'big picture'

Æ Meet with Learning Specialists using Penji:



Æ Also look for NearPeer Tutoring and Meta Seminar options in Penji!

## Major Topics

### Nutrition

- Micronutrients – Vitamins & Minerals as Cofactors for Enzymes
- Macronutrients – Carbohydrates, Proteins, Lipids and their Role in Growth & Maintenance

### Biochemistry

- Protein Structure & Function – Basis of Cells & Tissues, Drug Targets, Metabolism, Regulation

### Gastroenterology

- Physiology & Pathology of GI Tract Organs
- Integration of Motility, Secretion, Digestion, & Absorption

## Linking Topics

### Metabolism

Æ Use this topic to link together different pathways and to pair anabolism with catabolism

### Enzyme Kinematics

Æ Understand reactions and their relationship to energy

Æ Link enzymes, pathology, and pharmacology

### Utilize Your BoardVitals Qbank

Æ Register using your CWRU credentials

Æ Practice MCQs & Assemble Quizzes

Æ Learn Test Taking Skills and Develop Metacognition

## Critical Literature

Kennelly P.J., & Botham K.M., & McGuinness O.P., & Rodwell V.W., & Weil P. (Eds.) (2023), [Harper's Illustrated Biochemistry, 32nd Edition](#): McGraw Hill Education.

Harvey, Richard A., Ph. D. (2011), [Lippincott's illustrated reviews: Biochemistry](#). Philadelphia :Wolters Kluwer Health

Loscalzo J, & Fauci A, & Kasper D, & Hauser S, & Longo D, & Jameson J (Eds.) (2022), [Harrison's Principles of Internal Medicine, 21e](#) McGraw-Hill Education.

Barrett K.E. (Ed.), (2014) [Gastrointestinal Physiology, 2e](#) The McGraw-Hill Companies.