

COLLEGE OF CHEMISTRY COURSE GUIDE (../INDEX.HTML)

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MCB 110 - MOLECULAR BIOLOGY: MACROMOLECULAR SYNTHESIS AND CELLULAR FUNCTION (4 UNITS)

(Taken from the UC Berkeley Course Guide (<http://guide.berkeley.edu>))

COURSE OVERVIEW

SUMMARY

Molecular biology of prokaryotic and eukaryotic cells and their viruses. Mechanisms of DNA replication, transcription, translation. Structure of genes and chromosomes. Regulation of gene expression. Biochemical processes and principles in membrane structure and function, intracellular trafficking and subcellular compartmentation, cytoskeletal architecture, nucleocytoplasmic transport, signal transduction mechanisms, and cell cycle control.

PREREQUISITES

C100A (may not be taken concurrently)

WORKLOAD

TIME COMMITMENT

3 hours of lecture and 1 hour of discussion per week.

COLLEGE OF CHEMISTRY PEER SERVICES

Made by Angela Lee, c/o 2019



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