

110 上學期 醫學科學系 CELL BIOLOGY 細胞生物學

Date	Lecturer	Chapter
September 14	陳令儀	Ch 1 Cells: The Fundamental Units of Life Ch 2 Chemical Components of Cells
October 5	陳令儀	Ch 11 Membrane Structure Ch 12 Transport Across Cell Membrane
October 12	陳令儀	Ch 15 Intracellular Compartments and Transport
October 19	陳令儀	Ch 16 Cell Signaling
October 26	陳令儀	Ch 20-1 Cell Communities: Cancer
November 2	First Exam	30%
Online	林玉俊	Super-resolution microscopy
November 9	林玉俊	Ch 13 How Cells Obtain Energy from Food Ch 14 Energy Generation in Mitochondria and Chloroplasts
November 16	林玉俊	Ch 18 The Cell Division Cycle
November 23	林玉俊	Mechanobiology
November 30	林玉俊	Techniques for remotely controlling cells
December 7	Second Exam	40%
December 14	湯學成	Ch 3 Energy, Catalysis, and Biosynthesis Ch 4 Protein Structure and Function
December 21	湯學成	Ch 10 Modern Recombinant DNA Technology
December 28	湯學成	Ch 17 Cytoskeleton
January 4	湯學成	Ch 20-2 Cell Communities: Tissue & Stem cells
January 11	Final Exam	30%

教室: 生二 107, 上課時間: T7-9 (3:30-6:20pm); 助教: *to be announced*

教科書:

Essential Cell Biology, Fourth Edition

Alberts Bray Hopkin Johnson Lewis Raff Roberts Walter, Garland Science

參考書籍:

Cell Biology, Seventh Edition

Gerald Karp, Wiley