

## 112 上學期 醫學科學系 CELL BIOLOGY 細胞生物學

Date	Lecturer	Chapter
September 12	林郁婷	Ch 1 Cells: The Fundamental Units of Life Ch 2 Chemical Components of Cells
September 19	林郁婷	Ch 11 Membrane Structure Ch 12 Transport Across Cell Membrane
September 26	林郁婷	Ch 15 Intracellular Compartments and Transport
October 3	林郁婷	Ch 16 Cell Signaling Ch 20-1 Cell Communities: Cancer
October 10		No class
October 17	First Exam	30%
October 24	林玉俊	Super-resolution microscopy
October 31	林玉俊	How cells obtain energy from food
November 7	林玉俊	Energy generation in mitochondria and chloroplasts
November 14	林玉俊	The cell division cycle
November 21	Second Exam	40%
November 28	湯學成	Ch 3 Energy, Catalysis, and Biosynthesis Ch 4 Protein Structure and Function
December 5	湯學成	Ch 10 Modern Recombinant DNA Technology
December 12	湯學成	Ch 17 Cytoskeleton
December 19	湯學成	Ch 20-2 Cell Communities: Tissue & Stem cells
December 26	Final Exam	30%

教室: 生二 217, 上課時間: T7-9 (3:30-6:20pm); 助教: *to be announced*

配合學校政策, 課程由 18 週縮減為 16 週, 縮減內容將用線上影片教學或學生自主學習進行。

### 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