

## Course Schedule Life Science I 2022 Fall

Week	Date	Topic of Lectures	Instructor
1	09/15	Ch01: Biology and Its Themes	Chiao
2	09/22	Ch02: Atoms and Molecules Ch03: The Chemistry of Water Ch04: Carbon: The Basis of Molecular Diversity	Chiao
3	09/29	Ch05: Biological Macromolecules and Lipids Ch06: Energy and Life Ch07: Cell Structure and Function	Chiao
4	10/06	Ch08: Cell Membranes Ch09: Cellular Signaling	Chiao
5	10/13	Ch10: Cell Respiration Ch11: Photosynthetic Processes	Chiao
6	10/20	Ch12: Mitosis Ch13: Sexual Life Cycles and Meiosis	Chiao
7	<b>10/27</b>	<b>Midterm Examination (Ch01-13)</b>	
8	11/03	Ch14: Mendelian Genetics Ch15: Linkage and Chromosomes	Chuang
9	11/10	Ch16: Nucleic Acids and Inheritance Ch17: Expression of Genes	Chuang
10	11/17	Ch18: Control of Gene Expression Ch26: Introduction to Viruses	Chuang
11	11/24	Ch19: DNA Technology	Chuang
12	12/01	Ch20: The Evolution of Genomes	Chuang
13	12/08	Ch21: How Evolution Works Ch22: Phylogenetic Reconstruction	Ng
14	12/15	Ch23: Microevolution Ch24: Species and Speciation	Ng
15	12/22	Ch25: Macroevolution	Ng
16	<b>12/29</b>	<b>Final Examination (Ch14-25)</b>	

### Course info

授課老師：焦傳金、莊永仁、黃貞祥

課程助教：

課程網址：清華數位學習平台 <https://elearn.nthu.edu.tw/>

### Textbook

Campbell Biology (12th Edition), Neil A. Campbell, Lisa A. Urry, Michael L. Cain, Steven A. Wasserman, Peter V. Minorsky, Jane B. Reece (2021)