

COURSE SCHEDULE

Week	Date	Topic of Lectures	Instructor
2	2021	09 / 23 1.Biology and Its Themes 25.Macroevolution	Li
3		09 / 30 1.Biology and Its Themes 25.Macroevolution	Li
4		10 / 07 2.Atoms and Molecules 3.The Chemistry of Water 4.Carbon: The Basis of Molecular Diversity	Chiao
5		10 / 14 5.Biological Macromolecules and Lipids 6.Energy and Life 7.Cell Structure and Function	Chiao
6		10 / 21 8.Cell Membranes 9.Cellular Signaling	Chiao
7		10 / 28 10.Cell Respiration 11.Potosynthetic Processes	Chiao
8		11 / 04 12.Mitosis 13.Sexual Life Cycles and Meiosis	Chiao
9		11 / 11 Midterm Examination (Ch01-13 & Ch25)	
10		11 / 18 14.Mendelian Genetics 15.Linkage and Chromosomes	Chuang
11		11 / 25 16.Nucleic Acids and Inheritance 17.Expression of Genes	Chuang
12		12 / 02 18.Control of Gene Expression 26.Introduction to Viruses	Chuang
13		12 / 09 19.DNA Technology	Chuang
14		12 / 16 20.The Evolution of Genomes	Chuang
15		12 / 23 21.How Evolution Works 22.Phylogenetic Reconstruction	Ng
16		12 / 30 23.Microevolution 24.Species and Speciation	Ng
17	2022	01 / 06 Final Examination (Ch14-24 & 26)	

Course info

授課老師：李家維、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), Lisa A. Urry, Michael L. Cain, Steven A. Wasserman, Peter V. Minorsky, and Rebecca Orr (2021)