

Cell Biology
Fall
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Learning Objectives: Following completion of this course, the students should have an understanding of the chemical basis of life, structure and function of eukaryotic cells and their metabolism, cellular membranes, organelles, motility and regulation of signaling pathways.

<u>Week</u>	<u>Dates</u>	<u>Topics</u>
1	Aug. 20, 22, 24	Why is the Study of Cell Biology Relevant to Us Introduction to the Study of Cell Biology (Ch.1)
2	Aug. 27, 29, 31	Review: The Chemical Basis of Life (Ch.2)
3	Sept. 3 Sept. 5 7	Academic Staff Holiday Review: The Chemical Basis of Life (Ch.2)
4	Sept. 10 Sept. 12 & 14	Take home Exam : Chapters and calculations Review: Energy, Enzymes and Metabolism (Ch.3)
5	Sept. 17, 19 & 21	Structure and Function of Plasma Membrane (Ch.4)
6	Sept. 24, 26 & 28	Structure and Function of Plasma Membrane (Ch.4) Aerobic Respiration and Mitochondrion (Ch.5)
7	Oct. 1, 3 & 5	Aerobic Respiration and Mitochondrion (Ch.5) Exam : Chapters
8	Oct. 8, 10 & 12	Photosynthesis and the Chloroplast (Ch.6) Interactions between Cells and Environment (Ch.7)
9	Oct. 15, 17 Oct. 19	Interactions between Cells and Environment (Ch.7) Academic Holiday
10	Oct. 22, 24 & 26	Exam : Chapters Cytoplasmic Membrane Systems: Structure, Function, and Membrane Trafficking (Ch.8)

