

LIFE 210 SCHEDULE: FALL 2017

Questions **Surveys** are due at **6 PM** and **Quizzes** are due at **2 PM** Mountain Time on the due date.

Week (Dates)	Module #: Module Name	Lectures	Assignments Due	Due Dates
1 (Aug. 21 – Aug. 25)	1: Course Introduction/overview: Key Concepts Introduction to Cancer Anticancer Drug Development	L1 – L3	Module 1 Questions Survey Module 1 Quiz	Sun, Aug 27 Mon, Aug 28
2 (Aug. 28 – Sept. 1)	2: Cellular Composition: Macromolecules – Chemistry, Bioenergetics, Water	L4 – L6	Module 2 Questions Survey Module 2 Quiz	Tues, Sept 5 Wed, Sept 6
3 (Sept. 5 – Sept. 8)	3: Intermolecular Interactions Proteins: Composition and Structure	L7 – L8	ΔG Learning Activity Homework Module 3 Questions Survey Module 3 Quiz	Fri, Sept 1 Sun, Sept 10 Mon, Sept 11
4 (Sept. 11 – Sept. 15)	4: Proteins: Composition and Structure Proteins: Function as Catalysts	L9 – L10	Protein Learning Activity Homework	Mon, Sept 11
Sept. 15	Exam 1 – Modules 1-3, Lectures 1-8		Exam 1	Fri, Sept 15
5 (Sept. 18 – Sept. 22)	5: Proteins: Function as Catalysts Transmembrane Transport in Cancer Membrane Composition and Assembly	L11 – L13	Module 4&5 Questions Survey Module 4&5 Quiz	Sun, Sept 24 Mon, Sept 25
6 (Sept. 25 – Sept. 29)	6: Membrane Composition and Assembly Transmembrane Diffusion and Transport	L14 – L16	Module 6 Questions Survey Module 6 Quiz	Sun, Oct 1 Mon, Oct 2
7 (Oct. 2 – Oct. 6)	7: Transmembrane Diffusion and Transport Protein Trafficking in Cancer Cells	L17 – L18	Transmembrane Transport Learning Activity Homework	Mon, Oct. 2
Oct. 6	Exam 2 – Modules 4-6, Lectures 9-16		Exam 2	Fri, Oct 6
8 (Oct. 9 – Oct. 13)	8: Cell Compartmentalization Protein Trafficking in the Cell Nuclear-Cytoplasmic Trafficking	L19 – L21	Module 7&8 Questions Survey Module 7&8 Quiz	Sun, Oct 15 Mon, Oct 16

Week (Dates)	Module #: Module Name	Lectures	Assignments Due	Due Dates
9 (Oct. 16 – Oct. 20)	9: Nuclear-Cytoplasmic Trafficking Metabolic Changes in Cancer Cells Overview of Cell Metabolism	L22 – L24	N-C Learning Activity Homework Module 9 Questions Survey Module 9 Quiz	Mon, Oct 16 Sun, Oct 22 Mon, Oct 23
10 (Oct. 23 – Oct. 27)	10: Overview of Cell Metabolism Cell Signaling Changes in Cancer Cells	L25 – L26	Metabolism Learning Activity Homework	Mon, Oct 23
Oct 27	Exam 3 – Modules 7-9, Lectures 17-24		Exam 3	Fri, Oct 27
11 (Oct. 30 – Nov. 3)	11: Principles of Cell Signaling G Protein Receptor Signaling Enzyme Linked Receptor Signaling, Cross-talk, etc.	L27 – L29	Module 10&11 Questions Survey Module 10&11 Quiz	Sun, Nov 5 Mon, Nov 6
12 (Nov. 6 – Nov. 10)	12: Cell Mobility in Cancer Cells Molecular Dynamics of the Cytoskeleton Regulation of Cytoskeletal Dynamics	L30 – L32	Module 12 Questions Survey Module 12 Quiz	Sun, Nov 12 Mon, Nov 13
13 (Nov. 13 – Nov. 17)	13: Regulation of Cytoskeletal Dynamics	L33 – L34	Cell Crawling Learning Activity Homework	Wed, Nov 15
Nov. 17	Exam 4 – Modules 10-12, Lectures 25-32		Exam 4	Fri, Nov 17
Nov. 20- Nov. 24	Fall Break		None	
14 (Nov. 27 – Dec. 1)	14: Cell Cycle and Growth Control in Cancer Cells Cell Cycle Overview Cell Cycle Control and Regulation	L35 – L37	Module 13&14 Questions Survey Module 13&14 Quiz	Sun, Dec 3 Mon, Dec 4
15 (Dec. 4 – Dec. 8)	15: Programmed Cell Death and Replicative Senescence Summary of Changes in Cancer Cells Eukaryotic Cell Biology Summary and Review	L38 – L40	Module 15 Questions Survey Module 15 Quiz	Sun, Dec 10 Mon, Dec 11
16 (Dec. 11 – Dec. 15)	Exam 5 – Modules 13-15, Lectures 33-40		Exam 5	Thurs, Dec 14 11:50 AM - 1:50 PM