

Hour	Monday 12-Jul	Tuesday 13-Jul	Wednesday 14-Jul	Thursday 15-Jul	Friday 16-Jul
8-9					
9-10					
10-11					
11-12		Basic Cellular Organization and Organelles			Amino Acids: Structure and Properties
12-1		Biomolecules, Interactions and Polarity			Diffusion and Transport
1-2	Lunch		Lunch	Lunch	Lunch
2-3		Introduction to Integrated Physiological Sciences	H <sub>2</sub> O: Structure and properties		
3-4		Introduction to Integrated Physiological Sciences	Homeostasis, Cell Membranes and Fluid Compartments		
4-5		Introduction to Integrated Physiological Sciences			

Week1

Hour	Monday 19-Jul	Tuesday 20-Jul	Wednesday 21-Jul	Thursday 22-Jul	Friday 23-Jul
8-9					
9-10					Proteins: Tertiary and Quaternary Structure
10-11					DNA: Structure, role and replication
11-12		Proteins: Primary and Secondary Structure			
12-1					Resting Potential
1-2	Lunch	Lunch	Lunch	Lunch	Lunch
2-3		Nervous System: Cells and Organization	Equilibrium Potential		
3-4		Nervous System: Cells and Organization			
4-5					

WEEK 2

Hour	Monday 26-Jul	Tuesday 27-Jul	Wednesday 28-Jul	Thursday 29-Jul	Friday 30-Jul
8-9	Biochemistry Exam				
9-10					
10-11					
11-12		Action Potential			
12-1					
1-2	Lunch	Lunch	Lunch		
2-3		Excitability	Neuronal Function		
3-4		RNA: Structures, Roles and Transcription	Protein Synthesis		
4-5			Physiology Review		

WEEK 3

Stockton

Hour	Monday 2-Aug	Tuesday 3-Aug	Wednesday 4-Aug	Thursday 5-Aug	Friday 6-Aug
8-9	Physiology Exam				
9-10					Enzymes: Mechanisms, Kinetics and Inhibition
10-11					Enzymes: Allosteric Control, Diagnostics etc.
11-12		Muscle			Biochemistry Review
12-1		Synapses and Neuromuscular Junctions			Smooth Muscle
1-2	Lunch	Lunch	Lunch	Lunch	Lunch
2-3		Contractility	Skeletal Muscle		
3-4		Enzymes: General Features	Enzymes: Structure and Mechanisms of Action		
4-5					

WEEK 4

Hour	Monday 9-Aug	Tuesday 10-Aug	Wednesday 11-Aug	Thursday 12-Aug	Friday 13-Aug
8-9	Biochemistry Exam				Anatomy Exam
9-10					Calcium and Phosphate Metabolism
10-11					Glycosaminoglycans, Proteoglycans and Mucins
11-12		Carbohydrate Chemistry			
12-1		Connective Tissues: Cells and Matrices			Bone Cell Biology
1-2	Lunch	Lunch	Lunch	Lunch	Lunch
2-3		Skeletal tissues: Cartilage, Bone and Joints	Fibrous Proteins: Keratin, Collagen and Elastin		
3-4		Skeletal tissues: Cartilage, Bone and Joints	Case-Based Discussion		
4-5					

WEEK 5

Hour	Monday 16-Aug	Tuesday 17-Aug	Wednesday 18-Aug	Thursday 19-Aug	Friday 20-Aug
8-9					
9-10					Bioenergetics
10-11					Oxidation-reduction Reactions and Electron Transport
11-12		Glycoproteins: Synthesis and Targeting			
12-1					Skin
1-2	Lunch	Lunch	Lunch	Lunch	Lunch
2-3		Vertebral Column	Epithelium		
3-4		Vertebral Column	Case-Based Discussion		
4-5					

WEEK 6

Hour	Monday 23-Aug	Tuesday 24-Aug	Wednesday 25-Aug	Thursday 26-Aug	Friday 27-Aug
8-9					Biochemistry Exam
9-10					Nervous system: Spinal Cord and Spinal Nerves
10-11					Nervous system: Spinal Cord and Spinal Nerves
11-12		Oxidative Phosphorylation			Nervous system: Spinal Cord and Spinal Nerves
12-1		Back			
1-2	Lunch	Lunch	Lunch	Lunch	Lunch
2-3		Back	Polysaccharides: Glycogen Metabolism		
3-4		Back	Biochemistry Review		
4-5		Post-Lab Review			

WEEK 7

Hour	Monday 30-Aug	Tuesday 31-Aug	Wednesday 1-Sep	Thursday 2-Sep	Friday 3-Sep
8-9	Anatomy Exam				Physiology Exam
9-10					Nervous system: autonomic nerves
10-11					Autonomic nervous system 1
11-12		Sensory Receptors			
12-1					Krebs Cycle, etc.
1-2	Lunch	Lunch	Lunch	Lunch	Lunch
2-3		Anaerobic and Aerobic Glycolysis	Circulatory system		
3-4		Muscle Spindles and reflexes	Physiology Review		
4-5		Case-Based Discussion			

WEEK 8

Hour	Monday 6-Sep	Tuesday 7-Sep	Wednesday 8-Sep	Thursday 9-Sep	Friday 10-Sep
8-9					
9-10					Upper limb and brachial plexus
10-11					Upper limb and brachial plexus
11-12		Gluconeogenesis etc			Upper limb and brachial plexus
12-1					Anatomy Seminar
1-2	Lunch	Lunch	Lunch	Lunch	Lunch
2-3		Fatty acid oxidation	Fatty acid synthesis		
3-4		Autonomic nervous system 2	Autonomic nervous system 3		
4-5		Case-Based Discussion			

WEEK 9

Hour	Monday 13-Sep	Tuesday 14-Sep	Wednesday 15-Sep	Thursday 16-Sep	Friday 17-Sep
8-9	Biochemistry Exam				
9-10					Review
10-11					Review
11-12		Steroids			Review
12-1		Anterior Body Wall			Review
1-2	Lunch	Lunch	Lunch	Lunch	Lunch
2-3		Anterior Body Wall	Membrane lipid metabolism		
3-4		Anterior Body Wall	Review		
4-5		Antomy Seminar			

WEEK 10