

COURSE OUTCOMES: Upon completion of this course, students will be able to:

- A. identify the basic structure and function of each human system.
- B. explain the cell membrane potential and how it becomes an action potential.
- C. describe the autonomic nervous system using neurotransmitters and receptors.
- D. identify the major endocrine glands and the hormones they secrete.
- E. discuss the types of blood cells and their function.
- F. demonstrate use of electrocardiograph and identify normal reading.
- G. explain the functions of the lungs and kidneys.
- H. demonstrate critical thinking to perform laboratory experiments and demonstrations.

COURSE OBJECTIVES: In the process of completing this course, students will:

- A. assess the basic structure and function of each system in the human body.
- B. assess the results of laboratory experiments and demonstrations.
- C. illustrate the cell membrane, its electrical activity and the conduction of action potentials.
- D. compare the autonomic system and the endocrine system.
- E. analyze the cardiovascular system by performing an EKG and monitoring blood pressure.
- F. evaluate lung and kidney function using computer simulations.

Canceled Class Notification: If circumstances do not allow me to hold class, the Deans' office will place a notice on the class room door.

Cheating on exams, will not be tolerated, anyone caught cheating will receive 0% on that exam.

****Tentative Schedule - subject to Change with Notification****

LECTURE CHAPTERS - SCHEDULE

LAB ASSIGNMENT SCHEDULE

WEEK	LECTURE CHAPTERS - SCHEDULE		LAB ASSIGNMENT SCHEDULE		EXAM DATES & SCORES
	Monday	Wednesday	Friday	Friday	
1	12-Jan 1 - Study of Body Function	14-Jan 2 - Chem Comp of Body 3 - Cell Struc & Gene Cont	16-Jan Ex. 1.3		
2	19-Jan MLK Holiday	21-Jan 4 - Enzymes & Energy	23-Jan Ex. 2.1, 2.4, & 2.5		30-Jan 1
3	26-Jan 5 - Cell Resp & Metab	28-Jan 6 - Cells & Extracellular	30-Jan Ex. 2.6 Exam #1 (1 - 5)		
4	2-Feb 6 - Cells & Extracellular	4-Feb 7 - NS: Neurons & Synapse	6-Feb Ex. 3.1, 3.2, & video		
5	9-Feb 7 - NS: Neurons & Synapse	11-Feb Exam #2 (6 & 7)	13-Feb Lincoln holiday		11-Feb 2
6	16-Feb Presidents' Day	18-Feb 8 - The CNS	20-Feb Ex. 3.5, 3.6, & 3.8		
7	23-Feb 9 - The ANS	25-Feb 10 - Sensory Phys	27-Feb Ex. 3.4		
8	2-Mar Exam #3 (8, 9, 10)	4-Mar 11 - Endocrine	6-Mar Ex. 4.1 & 3.3		2-Mar 3
9	9-Mar	11-Mar 12 - Muscles	13-Mar Ex. 5.1 & 5.2 *DROP DATE*		
10	16-Mar Exam #4 (11 - 12)	18-Mar 13 - Blood Heart & Circ.	20-Mar Ex. 6.1 & 6.3		16-Mar 4
	23-Mar 14 - CO, BF & BP	25-Mar	27-Mar Ex. 7.2, 7.3, & 7.6		
11	30-Mar 16 - Respiratory Phys	1-Apr Exam #5 (13 - 14)	3-Apr Ex. 8.1 & 8.4		1-Apr 5
12	6-Apr Spring	8-Apr Break	10-Apr		
13	13-Apr	15-Apr 17 - Phys of the Kidneys	17-Apr Ex. 9.1 & 9.2		
14	20-Apr 18 - Digestive System	22-Apr Exam #6 (17 & 20)	24-Apr Ex. 10.2		22-Apr 6
15	27-Apr 18 - Digestive System	29-Apr 19 - Reg of Metabolism	1-May Ex. 10.3		
16	4-May	6-May Exam #7 (18 - 19)	8-May 15 - The Immune System Video		6-May 7
17	11-May 20 - Reproduction	13-May	15-May Video		
	18-May Final Exam 9 - 10:50 am				18-May Final