

LECTURE OUTLINE

TOPICS HOLE	CHAPTER	IN
1. Introduction		
Human physiology and anatomy	1	
Elementary chemistry	2	
2. Cell Physiology	3, 4	
Cell theory		
Cell membranes		
Cell organelles		
Cell reproduction		
Cell metabolism		
3. Skin and the Integumentary System	6	
Growth and repair		
Regulation of body temperature		
Skin disorders		
4. Support and Movement		
Skeletal system	7	
bone growth and development		
functions		
blood cell formation		
Muscular system	9	
muscle contraction		
5. Integration and Coordination		
Nervous system	10, 11	
impulse generation and conduction		
synaptic transmission		
functional divisions of the nervous system		
Endocrine system	13	
hormones		
control of hormonal secretions		
survey of glands		

6.	Processing and Transport	
	Digestive system	14, 15
	chemical and enzymatic digestion	
	nutrition and metabolism	
	Respiratory system	16
	control of breathing	
	gas exchange	
	transport of gasses	
	Circulatory system	17, 18
	homeostasis	
	blood groups	
	cardiac cycle	
	blood pressure	
7.	Elimination and excretion	20, 21
	Formation of urine	
	Fluid, electrolyte, and acid/base balance	
8.	Somatic and Special Senses	12
9.	Lymphatic System	19
	Formation and function of lymph	
	Immunity	
10.	Life Cycle	22
	Sex cell formation	
	Endocrine control of reproduction	

**GRANDE PRAIRIE REGIONAL COLLEGE
DIPLOMA NURSING PROGRAM
PZ 1621 LABORATORY SCHEDULE**

Date	Title	Exercise # (Hole)	PE1621
Sep 10	Movement through cell membranes	4	1
Oct 15	Physiological Recording Equipment	18	2
	Skeletal Muscle Contraction	19	3
Oct 22	Reflex Arc and Reflexes	27	4
Nov 5	Endocrine System	37	5
Nov 12	Action of a Digestive Enzyme	40	6
Nov 19	PZ 1621 Laboratory Test #1 (7.5%)		
	Breathing and Respiratory Volumes	43	7
	Control of Breathing	44	8
Nov 26	Blood Testing	46	9
Dec 3	Blood Typing	47	10
Dec 10	Cardiac Cycle	49	11
	Factors affecting the Cardiac Cycle	50	12
	Pulse Rate and Blood Pressure	52	13
Jan 7	PZ 1621 Laboratory Test #2 (7.5%)		
Jan 21	Urinalysis	57	14
Feb 4	Receptors and Somatic Senses	31	15
	Smell and Taste	32	16
	Ear and Hearing	33	17
Feb 11	Equilibrium	34	18
	Eye	35	19
	Visual Tests	36	20
Feb 25	READING WEEK		
Mar 4	Male Reproductive System	59	22
	Female Reproductive System	60	23
	Fertilization and Early Development	62	24
Mar 11	Comprehensive PZ 1621 Laboratory Final Test (15%)		