

GRANDE PRAIRIE REGIONAL COLLEGE

DIPLOMA NURSING PROGRAM

COURSE: PE 200 Structural Anatomy

Y 91 92-

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NATURE OF THE COURSE:

PE 200 considers the construction of the human body from cells through organ systems. The course is organized to complement Elementary Physiology P2 261

EVALUATION:

Lecture:

Tests (multiple choice and short answer) 5 @ 6 %	30 %
Comprehensive lecture final examination	40 %

Laboratory:

Tests 3 @ 5 %	15 %
Comprehensive laboratory final test	15 %

100 %

For promotion from year one to year two of the program, a grade of "6" is required in this course.

TEXTBOOKS:

Hole, John W. Jr. 1990. Human Anatomy and Physiology, 5th Ed., Wm. C. Brown Company Publishers.

Hole, John W. Jr. 1990. Laboratory Manual Human Anatomy and Physiology, 5th Ed., Wm. C. Brown Company Publishers.

LECTURE OUTLINE

TOPICS	CHAPTERS IN HOLE
1. Introduction.....	1
Human anatomy and physiology	
Characteristics of life	
Levels of organization	
Anatomical terminology	
2. Body Composition and Organization.....	3,5
Cell types	
Tissues and organ systems	
Germ layers	
3. Skin and the Integumentary System.....	6
Skin	
Accessory structures	
4. Support and Movement	
Skeletal system.....	7,8
Muscular system.....	9
5. Integration and Coordination	
Nervous system.....	10,11
neurons and neuroglia	
anatomical divisions	
nerve pathways	
Endocrine system.....	13
general characteristics	
6. Processing and Transport	
Digestive system.....	14,15
structure and function	
organs of the digestive system	
Respiratory system.....	16
organs of the respiratory system	
mechanisms of breathing	
Circulatory system.....	17,18
anatomical divisions	
heart structure	
blood cell types	
7. Elimination and Excretion.....	20
Urinary system	
Other systems	
8. Somatic and Special Senses.....	12
9. Lymphatic System.....	19
10. Life Cycle.....	22,23
Reproductive structures	
Growth and development	

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LABORATORY SCHEDULE 1991/92

Date	Title	Exercise # (Hole)	PE200	PZ261
17 September	Body Organization and Terminology	1	1	
	Care and Use of Compound Microscope	2	2	
	Cellular Structure	3	3	
24 September	Movement through Cell Membranes	4		1
	Integumentary System	9	4	
1 October	Epithelial Tissues	6	5	
	Connective Tissues	7	6	
	Muscle and Nerve Tissues	8	7	
8 October	PE 200 Laboratory Test # 1 (5 %)			
	Structure and Classification of Bone	10	8	
	Organization of the Skeleton	11	9	
	The Skull	12	10	
15 October	Vertebral Column and Thoracic Cage	13	11	
	Pectoral Girdle and Upper Limb	14	12	
	Pelvic Girdle and Lower Limb	15	13	
	The Joints	16	14	
22 October	Muscles of Face and Head	20	15	
	Muscles of Chest, Shoulder, and Arm	21	16	
	Muscles of Abdomen and Pelvis	22	17	
	Muscles of Thigh and Leg	23	18	
29 October	PE 200 Laboratory Test # 2 (5 %)			
	Skeletal Muscle Structure	17	19	
	Physiological Recording Equipment	18		2
	Skeletal Muscle Contraction	19		3
5 November	Nerve Tissue	25	20	
	Reflex Arc and Reflexes	27		4
	Meninges and Spinal Cord	28	21	
12 November	Brain and Cranial Nerves	29	22	
	Dissection of the Sheep Brain	30	23	

Date	Title	Exercise # (Hole)	PE200	PZ261
19 November	Endocrine System	37		5
26 November	Organs of Digestive System	38	24	
	Action of a Digestive Enzyme	40		6
3 December	PZ 261 Laboratory Test # 1 (5 %)			
	Organs of Respiratory System	41	25	
	Breathing and Respiratory Volumes	43		7
	Control of Breathing	44		8
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14 January	Blood Cells	45	26	
	Blood Testing	46		9
21 January	PE 200 Laboratory Test # 3 (5 %)			
	Blood Typing	47		10
	Structure of the Heart	48	27	
28 January	Cardiac Cycle	49		11
	Factors Affecting the Cardiac Cycle	50		12
	Blood Vessels	51	28	
	Pulse Rate and Blood Pressure	52		13
4 February	PZ 261 Laboratory Test # 2 (5 %)			
	Major Arteries and Veins	53	29	
11 February	Structure of Kidney	56	30	
	Urinalysis	57		14
18 February	Comprehensive PE 200 Laboratory Final Test (15 %)			
25 February	Week of Winter Break			
3 March	Receptors and Somatic Senses	31		15
	Smell and Taste	32		16
	Ear and Hearing	33		17

Date	Title	Exercise # (Hole)	PE200	PZ261
10 March	Equilibrium	34		18
	Eye	35		19
	Visual Tests	36		20
17 March	PZ 261 Laboratory Test # 3 (5 %)			
	Lymphatic System	55		21
24 March	Male Reproductive System	59		22
	Female Reproductive System	60		23
	Fertilization and Early Development	62		24
31 March	Comprehensive PZ 261 Laboratory Final Test (15 %)			