6/18/2025	DATE	MSD	DIVISION
☑	REQUIRED COURSE	☐	NEW COURSE
☐	ELECTIVE COURSE	☑	REVISION

Lake Land College

Course Information Form

COURSE NUMBER:	BIO-226		**TITLE:** *(30 Characters Max)*	Human Anatomy & Physiology II							
SEM CR HRS:	4.0	**Lecture:**	3.0	**Lab:**	3.0	**ICCB Lab:**	3.0	**ECH:**	6.0		
Course Level:	☐ Gen Ed/IAI ☐ Career/Technical ☑ Baccalaureate/Non-IAI ☐ Dev Ed/Not in Degree Audit			**Clinical Practicum:**	0.0	**Work-based Learning:**	0.0	**WBL ECH:**	0.0		
Course PCS & CIP:	11 - 26.0403		**IAI Code:**	N/A				**Contact Hours (Minutes/Week)**			
Repeatable (Y/N):	N	**Pass/Fail (Y/N):**	N	**Variable Credit (Y/N):**	N	**Min:**		**Max:**		**16 Wks**	300	**8 Wks**	600
Prerequisites:	BIO-225										
Corequisites:	None										
Catalog Description: (40 Word Limit)	Emphasis on human anatomy and physiology through the regional approach using human cadavers.										

List the Major Course Segments (Units)	Contact Lecture Hours	Contact Lab Hours	Clinical Practicum	Work-based Learning
Central nervous system	5	0		
Special senses	3	0		
Autonomic nervous system	3	0		
Somatic nervous system	1	0		
Cardiovascular system	7	0		
Respiratory system	5	0		
Lymphatic system	2	0		
Renal system	7	0		
Digestive system	4	0		
Reproductive system	4	0		
Endocrine system	4	0		
Head and neck, dorsal cavity anatomy	0	10		
Thorax anatomy	0	10		
Abdominopelvic anatomy	0	10		
Cadaver anatomy	0	14		
TOTAL	45	44	0	0

EVALUATION							
QUIZZES	☑	**EXAMS**	☑	**ORAL PRES**	☐	**PAPERS**	☑
LAB WORK	☑	**PROJECTS**	☑	**COMP FINAL**	☑	**OTHER**	☑ lab practicals

COURSE MATERIALS		
TITLE:	A & P II COLOR PHOTO MANUAL	
AUTHOR:	DALPONTE, NWOSU, & TURNBULL	
PUBLISHER:	LLC Print Shop	
VOLUME/EDITION/URL:		
COPYRIGHT DATE:		

MAJOR COURSE SEGMENT	HOURS	LEARNING OUTCOMES
		The student will be able to:
Central nervous system	5	1. Assess the brain and spinal cord. 2. Critique the interrelatedness of the brain and spinal cord.
Special senses	3	1. Assess olfaction, gustation, vision and hearing. 2. Compare the similarities and differences between the special senses.
Autonomic nervous system	3	1. Assess the autonomic nervous system.
Somatic nervous system	1	1. Assess the somatic nervous system. 2. Compare the autonomic and somatic nervous systems.

Cardiovascular system	7	1. Explain the cardiac cycle, EKG and cardiac function. 2. Explain how it is regulated.
Respiratory system	5	1. Explain the processes of respiration. 2. Explain how it is regulated.
Lymphatic system	2	1. Explain the function of the lymphatic system. 2. Explain how it relates to immunity.
Renal system	7	1. Explain urine formation. 2. Explain how it is regulated.
Digestive system	4	1. Explain the digestive process. 2. Explain how it is regulated.
Reproductive system	4	1. Explain the reproductive system.
Endocrine system	4	1. Explain the endocrine system. 2. Explain how the endocrine system regulates other systems of the body.
Head and neck, dorsal cavity anatomy	10	1. Identify structures and organs of the head and neck using models.
Thorax anatomy	10	1. Identify structures and organs of the cardiovascular and respiratory system using models.
Abdominopelvic anatomy	10	1. Identify structures and organs of the lymphatic, renal, digestive, and reproductive using models.
Cadaver anatomy	14	1. Identify structures and organs associated with thoracic and abdominopelvic cavities using the cadavers. 2. Integrate cadaver observations to enhance anatomical relationships.
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Outcomes*	Outcome Title	At the successful completion of this course, students will be able to:
Course Outcome 1	Homeostatic Control	Illustrate nervous and endocrine homeostatic control.
Course Outcome 2	Org Interaction 226	Describe interactions between organ systems.
Course Outcome 3	Cadaver Anatomy 226	Demonstrate human anatomy utilizing human cadavers.
Course Outcome 4	A & P Organs 226	Summarize the anatomy and physiology of organs in the dorsal and ventral body cavities.
Course Outcome 5	Curr Med Issues 226	Critique current issues in medicine.
Primary Laker Learning Competency	Scientific Literacy: Students apply the scientific process to real-life situations.	
Secondary Laker Learning Competency	Critical Thinking: Students connect knowledge from various disciplines to formulate logical conclusions.	

**Course and program outcomes will be used in the software for outcomes assessment and should include at least 1 primary and 1 secondary Laker Learning Competency.*