

3/4/2024 DATE

 REQUIRED COURSE
 ELECTIVE COURSE

 MSD _____ DIVISION
 NEW COURSE
 REVISION

Lake Land College

Course Information Form

COURSE NUMBER: BIO-225		TITLE: (30 Characters Max) Human Anatomy & Physiology I		
SEM CR HRS: 4	Lecture: 3	Lab: 3	ECH: 6	
Course Level:	<input type="checkbox"/> Gen Ed/IAI <input checked="" type="checkbox"/> Baccalaureate/Non-IAI	<input type="checkbox"/> Career/Technical <input type="checkbox"/> Dev Ed/Not in Degree Audit	Clinical Practicum: 0	Work-based Learning: 0 WBL ECH: PER CONTRACT
COURSE PCS #	11 - 26.0403	IAI Code	Contact Hours (Minutes Per Week)	
Repeatable (Y/N): N	Pass/Fail (Y/N): N	Variable Credit (Y/N): N	Min:	Max:
Prerequisites: BIO-100 or consent of instructor		16 Wks: 300 8 Wks: 600		
Catalog Description: (40 Word Limit)	This course employs the regional approach to human structure and function using human cadavers. First of a two course sequence for allied health majors.			

List the Major Course Segments (Units)	Contact Lecture Hours	Contact Lab Hours	Clinical Practicum	Work-based Learning
1 Introduction and the Body, Homeostasis	4	2		
2 Body Cavities, Serous Membranes	1	2		
3 Internal Organs	1	6		
4 Cell Physiology	4	0		
5 Membrane Transport, Diffusion, Osmosis	2	2		
6 Cellular Metabolism, Respiration, Enzymes	2	0		
7 General Histology	4	1		
8 Microscope Use, Histological Slides	2	6		
9 Bone Physiology	4	0		
10 Skeletal Anatomy	3	8		
11 Neurophysiology	4	2		
12 Nerves of the Brachial Plexus, Lumbosacral Plexus	2	2		
13 Muscle Physiology	4	1		
14 Muscle Anatomy	3	8		
15 Blood & Immune	4	2		
16 Blood Vessels	1	2		
17 Cadaver Anatomy	0	10		
TOTAL	45	54	0	0

EVALUATION			
QUIZZES <input checked="" type="checkbox"/>	EXAMS <input checked="" type="checkbox"/>	ORAL PRES <input type="checkbox"/>	PAPERS <input checked="" type="checkbox"/>
LAB WORK <input checked="" type="checkbox"/>	PROJECTS <input checked="" type="checkbox"/>	COMP FINAL <input checked="" type="checkbox"/>	OTHER <input checked="" type="checkbox"/> lab practicals

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

MAJOR COURSE SEGMENT	HOURS	LEARNING OUTCOMES
Introduction and the Body, Homeostasis	6	<i>The student will be able to:</i> Learning outcomes are available in another document, titled BIO-225Obj.pdf.
Body Cavities, Serous Membranes	3	
Internal Organs	7	
Cell Physiology	4	
Membrane Transport, Diffusion, Osmosis	4	
Cellular Metabolism, Respiration, Enzymes	2	
General Histology	5	
Microscope Use, Histological Slides	8	
Bone Physiology	4	
Skeletal Anatomy	11	
Neurophysiology	6	
Nerves of the Brachial Plexus, Lumbosacral Plexus	4	
Muscle Physiology	5	
Muscle Anatomy	11	
Blood & Immune	6	
Blood Vessels	3	
Cadaver Anatomy	10	
99		

COURSE OUTCOMES*	At the successful completion of this course, students will be able to:
	Understand homeostasis and the complex interactions between the organ systems
	Understand and demonstrate knowledge of the anatomy and physiology of the organs and organ systems found in the dorsal and ventral body cavities

Critically think throughout the semester

Demonstrate knowledge of human anatomy utilizing human cadavers

Analyze and discuss current issues in anatomy, physiology, and the health related fields with faculty that have continued training via seminars, webinars, conferences, and collaboration with colleagues

Demonstrate an ability to learn and understand topics in a variety of online programs and environments, both in the classrooms and at off campus sites

** Course Outcomes will be used in the Assessment Software for Outcomes Assessment. Limit to 3 - 5.*