

4/21/2025

DATE

 REQUIRED COURSE
 ELECTIVE COURSE

 AHD DIVISION
 NEW COURSE
 REVISION

Lake Land College

Course Information Form

COURSE NUMBER:		AHE-044		TITLE: (30 Characters Max)			Pathophysiology						
SEM CR HRS:	3.0	Lecture:	3.0			Lab:	0.0	ICCB Lab:	0.0	ECH:	3.0		
Course Level:	<input type="checkbox"/> Gen Ed/IAI <input type="checkbox"/> Baccalaureate/Non-IAI		<input checked="" type="checkbox"/> Career/Technical <input type="checkbox"/> Dev Ed/Not in Degree Audit			Clinical Practicum:	0.0	Work-based Learning:	0.0	WBL ECH:	0.0		
Course PCS & CIP:	12 - 26.0910		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	150	8 Wks	300
Prerequisites:	None												
Corequisites:	None												
Catalog Description: (40 Word Limit)	This course provides basic concepts of both structural and functional changes caused by disease in tissues and organs as a basis for understanding clinical manifestations and principles of treatment.												

List the Major Course Segments (Units)	Contact Lecture Hours	Contact Lab Hours	Clinical Practicum	Work-based Learning
General concepts of disease	3			
Cardiovascular system	6			
Lymphatic and hematopoietic systems	3			
Respiratory system	3			
Female reproductive system—breast	3			
Female reproductive system—reproduction and pregnancy	6			
Urinary system	3			
Male reproductive system	3			
Liver and biliary system	3			
Pancreas and diabetes mellitus	3			
Gastrointestinal system	2			
Endocrine system	2			
Nervous system	3			
Musculoskeletal system	2			
TOTAL	45	0	0	0

EVALUATION

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

COURSE MATERIALS

TITLE:	Body Structures and Functions
AUTHOR:	Ann Senisi Scott and Elizabeth Fong
PUBLISHER:	Cengage
VOLUME/EDITION/URL:	13th edition
COPYRIGHT DATE:	2019

MAJOR COURSE SEGMENT	HOURS	LEARNING OUTCOMES
		<i>The student will be able to:</i>
General concepts of disease	3	1. Define common terms used to describe disease. 2. List major categories of human disease. 3. List the principles of diagnosis used by medical practitioners. 4. Describe the commonly-used diagnostic tests and procedures.
Cardiovascular system	6	1. Define medical terminology as it relates to the cardiovascular system. 2. Describe the general characteristics of cardiovascular disease/pathology, circulatory disturbances and abnormalities with clotting. 3. Explain the signs and symptoms of cardiovascular disease/pathology, circulatory disturbances and abnormalities with clotting. 4. Describe the common diagnostic tools used to identify presence of pathology with cardiovascular disease, circulatory disturbances and clotting. 5. Summarize common treatment modalities for cardiovascular disease/pathology, circulatory disturbances and abnormalities with clotting.

Lymphatic and hematopoietic systems	3	<ol style="list-style-type: none"> 1. Define medical terminology as it relates to the hematopoietic and lymphatic systems. 2. Describe the general characteristics of hematopoietic and lymphatic disease/pathology. 3. Explain the signs and symptoms of hematopoietic and lymphatic disease. 4. Describe the common diagnostic tools used to identify presence of pathology with hematopoietic and lymphatic systems. 5. Summarize common treatment modalities for hematopoietic and lymphatic disease.
Respiratory system	3	<ol style="list-style-type: none"> 1. Define medical terminology as it relates to the respiratory system. 2. Describe the general characteristics of respiratory disease/pathology. 3. Explain the signs and symptoms of respiratory disease. 4. Describe the common diagnostic tools used to identify presence of pathology with respiratory system. 5. Summarize common treatment modalities for respiratory disease.
Female reproductive system—breast	3	<ol style="list-style-type: none"> 1. Define medical terminology as it relates to the breast. 2. Describe the general characteristics of disease/pathology associated with the breast. 3. Explain the signs and symptoms of diseases of the breast. 4. Describe the common diagnostic tools used to identify presence of pathology within the breast. 5. Summarize common treatment modalities for diseases of the breast.
Female reproductive system—reproduction and pregnancy	6	<ol style="list-style-type: none"> 1. Define medical terminology as it relates to the female reproductive system disease/pathology and pregnancy. 2. Describe the general characteristics of female reproductive system disease/pathology and problems/pathology associated with pregnancy. 3. Explain the signs and symptoms of female reproductive system disease/pathology and problems/pathology associated with pregnancy. 4. Describe the common diagnostic tools used to identify presence of pathology within the female reproductive system and pregnancy. 5. Summarize common treatment modalities for female reproductive disease and problems/pathology associated with pregnancy.
Urinary system	3	<ol style="list-style-type: none"> 1. Define medical terminology as it relates to the urinary system. 2. Describe the general characteristics of urinary disease/pathology. 3. Explain the signs and symptoms of urinary disease. 4. Describe the common diagnostic tools used to identify presence of pathology within the urinary system. 5. Summarize common treatment modalities for urinary disease.
Male reproductive system	3	<ol style="list-style-type: none"> 1. Define medical terminology as it relates to the male reproductive system. 2. Describe the general characteristics of disease/pathology of the male reproductive system. 3. Explain the signs and symptoms of diseases of the male reproductive system. 4. Describe the common diagnostic tools used to identify presence of pathology within the male reproductive system. 5. Summarize common treatment modalities for diseases of the male reproductive system.

Liver and biliary system	3	<ol style="list-style-type: none"> 1. Define medical terminology as it relates to the liver and biliary systems. 2. Describe the general characteristics of disease/pathology of the liver and biliary systems. 3. Explain the signs and symptoms of diseases of the liver and biliary systems. 4. Describe the common diagnostic tools used to identify presence of pathology within the liver and biliary systems. 5. Summarize common treatment modalities for diseases of the liver and biliary systems.
Pancreas and diabetes mellitus	3	<ol style="list-style-type: none"> 1. Define medical terminology as it relates to the diabetes mellitus and diseases/pathology of the pancreas. 2. Describe the general characteristics of diabetes mellitus and diseases/pathology of the pancreas. 3. Explain the signs and symptoms of diabetes mellitus and diseases/pathology of the pancreas. 4. Describe the common diagnostic tools used to identify diabetes mellitus and the presence of pathology within the pancreas. 5. Summarize common treatment modalities for diabetes mellitus and diseases of the pancreas.
Gastrointestinal system	2	<ol style="list-style-type: none"> 1. Define medical terminology as it relates to the gastrointestinal system. 2. Describe the general characteristics of disease/pathology of the gastrointestinal system. 3. Explain the signs and symptoms of diseases of the gastrointestinal system. 4. Describe the common diagnostic tools used to identify the presence of pathology within the gastrointestinal system. 5. Summarize common treatment modalities for diseases of the gastrointestinal system.
Endocrine system	2	<ol style="list-style-type: none"> 1. Define medical terminology as it relates to the endocrine system. 2. Describe the general characteristics of disease/pathology of the endocrine system. 3. Explain the signs and symptoms of diseases of the endocrine system. 4. Describe the common diagnostic tools used to identify presence of pathology within the endocrine system. 5. Summarize common treatment modalities for diseases of the endocrine system.
Nervous system	3	<ol style="list-style-type: none"> 1. Define medical terminology as it relates to the nervous system. 2. Describe the general characteristics of disease/pathology of the nervous system. 3. Explain the signs and symptoms of diseases of the nervous system. 4. Describe the common diagnostic tools used to identify presence of pathology within the nervous system. 5. Summarize common treatment modalities for diseases of the nervous system.
Musculoskeletal system	2	<ol style="list-style-type: none"> 1. Define medical terminology as it relates to the musculoskeletal system. 2. Describe the general characteristics of disease/pathology of the musculoskeletal system. 3. Explain the signs and symptoms of diseases of the musculoskeletal system. 4. Describe the common diagnostic tools used to identify presence of pathology within the musculoskeletal system. 5. Summarize common treatment modalities for diseases of the musculoskeletal system.

Outcomes*	At the successful completion of this course, students will be able to:
Course Outcome 1	Describe the general characteristics of disease/pathology.
Course Outcome 2	Define medical terminology as it relates to pathophysiology.
Course Outcome 3	Explain the different pathologies with related primary anatomical systems.
Course Outcome 4	Describe the common diagnostic tools used to identify presence of pathology.
Course Outcome 5	Summarize the changes from normal that occur with associated pathologies.
Primary Laker Learning Competency	Critical Thinking: Students connect knowledge from various disciplines to formulate logical conclusions.
Secondary Laker Learning Competency	Information & Technology Literacy: Students evaluate information effectively using the appropriate technological tools.

*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. Limit to 3-5.