

2/12/2025

DATE

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REQUIRED COURSE

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ELECTIVE COURSE

SSE DIVISION

☐ NEW COURSE☒ REVISION

Lake Land College

Course Information Form

COURSE NUMBER:	HED-290		TITLE: (30 Characters Max)		Disease Processes								
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 checked="" type="checkbox"/> Baccalaureate /Non-IAI		<input 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:	11 - 13.1307		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:	BIO-100												
Corequisites:	None												
Catalog Description: (40 Word Limit)	Students will study abnormal, diseased physiological processes, examine altered cell functions, injury and death. Students will gain knowledge in body systems and inability of diseased systems to maintain homeostasis. Other topics include inflammation, immunity, neoplasia and adaptations to stress and aging.												

List the Major Course Segments (Units)	Contact Lecture Hours	Contact Lab Hours	Clinical Practicum	Work-based Learning
Understanding disease	4			
Integumentary system	4			
Cardiovascular system	4			
Pulmonary system	6			
Gastrointestinal tract including liver, gallbladder and pancreas	6			
Nervous system	3			
Musculoskeletal system	6			
Endocrine system	4			
Genitorurinary and male reproductive system	4			
Female reproductive system	4			
Cancer	6			
TOTAL	51	0	0	0

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

COURSE MATERIALS	
TITLE:	Survey Of Human Disease
AUTHOR:	Van Elswyk, J.C.
PUBLISHER:	Caduceus International Publishing
VOLUME/EDITION/URL:	e-textbook: https://LLC.cipcourses.com/registration
COPYRIGHT DATE:	2018

MAJOR COURSE SEGMENT	HOURS	LEARNING OUTCOMES
		The student will be able to:
Understanding disease	4	1. Compare and contrast processes of inflammation and immunity. 1. Identify major communicable diseases, risk factors, symptoms, complications and treatment options.
Integumentary system	4	1. Explain major infectious and inflammatory integumentary diseases, pathology, risk factors, symptoms, complications and treatment options.
Cardiovascular system	4	1. Outline the different components of blood. 2. Contrast the pathology of white blood cell, red blood cell, and platelet disorders. 3. List risk factors for blood disorders, symptoms, complications, and treatment options.

Pulmonary system	6	1. Explain major infectious and inflammatory pulmonary diseases, pathology, risk factors, symptoms, complications and treatment options.
Gastrointestinal tract	6	1. Summarize major infectious and inflammatory gastrointestinal diseases, pathology, risk factors, symptoms, complications and treatment options.
Nervous system	3	1. Distinguish major neurological and psychiatric diseases, pathology, risk factors, symptoms, complications and treatment options.
Musculoskeletal system	6	1. Distinguish major musculoskeletal diseases, pathology, risk factors, symptoms, complications and treatment options.
Endocrine system	4	1. Distinguish major endocrine diseases, pathology, risk factors, symptoms, complications and treatment options.
Genitorurinary and male reproductive system	4	1. Distinguish major male reproductive diseases, pathology, risk factors, symptoms, complications and treatment options.
Female reproductive system	4	1. Distinguish major male reproductive diseases, pathology, risk factors, symptoms, complications and treatment options.
Cancer	6	1. Summarize major forms of cancer, pathology, risk factors, symptoms, complications and treatment options.
51		

Outcomes*	Outcome Title	At the successful completion of this course, students will be able to:
Course Outcome 1	Pathogenesis	Apply knowledge of the normal anatomy and physiology of the human body to the pathogenesis and properties of human disease.
Course Outcome 2	Homeostasis	Identify compensatory mechanisms the body uses to maintain homeostasis.
Course Outcome 3	Genetic Environ	Identify how genetic and environmental factors impact various diseases.
Course Outcome 4	Changes Disease	Distinguish changes in anatomy and physiology that lead to the signs and symptoms of disease and to predict the consequences of change.
Primary Laker Learning Competency Information & Technology Literacy: Students evaluate information effectively using the appropriate technological tools.		
Secondary Laker Learning Competency	Scientific Literacy: Students apply the scientific process to real-life situations.	

*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.