

8/26/2024 DATE
☐ REQUIRED COURSE
☒ ELECTIVE COURSE

AHD DIVISION
☐ NEW COURSE
☒ REVISION

Lake Land College

Course Information Form

COURSE NUMBER:	EMS-071	TITLE: (30 Characters Max)		Fundamentals of Paramedicine II									
SEM CR HRS:	4	Lecture:	4	Lab:	0	ECH:		4					
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	Work-based Learning:	0	WBL ECH:	0			
COURSE PCS #	12 - 51.0904		IAI Code		N/A		Contact Hours (Minutes/Week)						
Repeatable (Y/N):	Y	Pass/Fail (Y/N):	N	Variable Credit (Y/N):	N	Min:		Max:		16 Wks	200	8 Wks	400
Prerequisites:	EMS-061 and EMS-064 and EMS-068												
Corequisites:	Concurrently enrolled in EMS-074 and EMS-078												
Catalog Description: (40 Word Limit)	This course provides students with the knowledge to integrate pathophysiological principles and assessment findings, formulate a field impression, and implement a treatment plan for patients experiencing cardiovascular emergency situations.												

List the Major Course Segments (Units)	Contact Lecture Hours	Contact Lab Hours	Clinical Practicum	Work-based Learning
Medical-Legal	3			
Ethics	3			
Therapeutic Communications	3			
Pathophysiology	15			
Cardiology	36			
TOTAL	60	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 checked="" type="checkbox"/>	OTHER <input type="checkbox"/>

COURSE MATERIALS	
TITLE:	Sanders Paramedic Textbook Basic Arrhythmias
AUTHOR:	Mick Sanders/American Academy of Orthopedic Surgeons Gail Walraven
PUBLISHER:	Jones and Bartlett Pearson
VOLUME/EDITION/URL:	6th edition 8th edition
COPYRIGHT DATE:	2025 2016

MAJOR COURSE SEGMENT	HOURS	LEARNING OUTCOMES
		<i>The student will be able to:</i>
Medical-Legal	3	1. Describe the legal issues that impact decisions made in the out-of-hospital environment.
Ethics	3	1. Describe the role which ethics plays in decision making in the out-of-hospital environment. 2. Discuss common dilemmas for EMS providers. Explain code of ethics. 3. Describe responsibilities of EMS providers. 4. Describes Patients' Rights. 5. Explain professional accountability.
Therapeutic Communications	3	1. Discuss the principles of therapeutic communication to effectively communicate with any patient while providing care. 2. List 3 uses for documentation. 3. List elements of good documentation. 4. Describe narrative writing in documentation. 5. Discuss importance of refusals. 6. Discuss consequences of inappropriate documentation. 7. Discuss the electronic patient care record.

Pathophysiology	15	1. Identify the human anatomy and how it relates to the role of the paramedic. 2. Describe the importance of fluid replacement and how it correlates to the body's homeostasis. 3. List the major organ systems 4. Identify the signs and symptoms of acid-base imbalance 5. Describe the effects the immune system has on the body systems. 6. Identify factors that influence specific disease processes. 7. Recognize cellular injury patterns and how they affect body functions.
Cardiology	36	1. Discuss pathophysical principles and assessment findings of a patient with cardiovascular disorders. 2. Formulate a field impression of the cardiovascular patient. 3. Develop a treatment plan for the patient with cardiovascular disorders.
60		

Outcomes*		At the successful completion of this course, students will be able to:
Course Outcome	Recognize the pathophysiology of the all body systems.	
Course Outcome	Identify medications used in cardiac emergencies.	
Course Outcome	Identify the electrical activity of each component of the cardiovascular system.	
Course Outcome	Identify characteristics of all electrocardiographic rhythms.	
Course Outcome	Recognize signs, symptoms and treatment for a STEMI.	
Program Outcome	Implement treatment plans for patients of all ages in medical emergencies.	
Primary Laker Learning Competency	Critical Thinking: Students connect knowledge from various disciplines to formulate logical conclusions and judgments.	
Secondary Laker Learning Competency	Professional Skills & Ethics: Students demonstrate professional business skills and ethical accountability.	

*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.