6/18/2025 DATE
☐ REQUIRED COURSE
☑ ELECTIVE COURSE

AHD DIVISION
☐ NEW COURSE
☑ REVISION

Lake Land College

Course Information Form

COURSE NUMBER:	EMS-061		**TITLE:** *(30 Characters Max)*	Fundamentals of Paramedicine I							
SEM CR HRS:	5.0	**Lecture:**	5.0	**Lab:**	0.0	**ICCB Lab:**	0.0	**ECH:**	5.0		
Course Level:	☐ Gen Ed/IAI ☐ Baccalaureate/Non-IAI ☑ Career/Technical ☐ Dev Ed/Not in Degree Audit			**Clinical Practicum:**	0.0	**Work-based Learning:**	0.0	**WBL ECH:**	0.0		
Course PCS & CIP:	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**	250	**8 Wks**	500
Prerequisites:	EMS-047, EMS-048 and EMS-049 and BIO-050 or BIO-225										
Corequisites:	Concurrently enrolled in EMS-064 and EMS-068										
Catalog Description: (40 Word Limit)	This course provides the beginning paramedic student with the knowledge to integrate the principles of kinetics, pathophysiology and assessment findings to formulate a field impression and implement a treatment plan for the cardiac patient. (Repeatable 3 Times)										

List the Major Course Segments (Units)	Contact Lecture Hours	Contact Lab Hours	Clinical Practicum	Work-based Learning
Roles and responsibilities	3			
Well being of the paramedic	3			
Illness and injury prevention	3			
Hemorrhage and shock	8			
Trauma system/mechanism of injury	10			
Soft tissue trauma	4			
Burns	4			
Head and face traum	4			
Spinal trauma	4			
Thoracic trauma	4			
Abdominal trauma	4			
Musculoskeletal trauma	3			
Gynecology	3			
Obstetrics	10			
Neonatology	8			
TOTAL	75	0	0	0

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

COURSE MATERIALS	
TITLE:	Sander's Paramedic Textbook
AUTHOR:	Mick J. Sanders, American Academy of Orthopedic Surgeons
PUBLISHER:	Jones and Bartlett
VOLUME/EDITION/URL:	6th edition
COPYRIGHT DATE:	2025

MAJOR COURSE SEGMENT	HOURS	LEARNING OUTCOMES
		The student will be able to:
Roles and responsibilities	3	1. Describe the roles and responsibilities of a paramedic within an EMS system and how these roles and responsibilities differ from other levels of providers. 2. Summarize professionalism as it relates to the paramedic professional. 3. Identify ways in preventing the spread of disease. 4. State 4 ways of dealing with stress of working as a paramedic. 5. Describe how death and dying relates to the paramedic.
Well being of the paramedic	3	1. Discuss importance of taking care of themselves as a paramedic.
Illness and injury prevention	3	1. Discuss importance of immunizations. 2. Demonstrate proper lifting techniques. 3. Explain the importance of exercise.

Hemorrhage and shock	10	1. Discuss the pathophysiological principles and assessment findings of hemorrhage and shock. 2. Formulate a field impression for a patient with shock and hemorrhage. 3. Develop a treatment plan for the patient with shock and hemorrhage.
Trauma system/mechanism of injury	8	1. Describe principles of kinematics to enhance the patient assessment. 2. Predict the likelihood of injuries based on the patient's mechanism of injury.
Soft tissue trauma	4	1. Discuss the pathophysiological principles and assessment findings of a patient with soft tissue trauma. 2. Formulate a field impression for a patient experiencing soft tissue trauma. 3. Develop a treatment plan for the patient with soft tissue trauma.
Burns	4	1. Discuss the pathophysiological principles and assessment findings of burns. 2. Formulate a field impression for a burn patient. 3. Develop a treatment plan for the patient with burns.
Head and face trauma	4	1. Discuss the pathophysiological principles and assessment findings in a patient with head and face trauma. 2. Formulate a field impression with head and face trauma. 3. Develop a treatment plan for the patient with head and face trauma.
Spinal trauma	4	1. Discuss the pathophysiological principles and assessment findings in a patient with spinal trauma. 2. Formulate a field impression for a spinal trauma patient. 3. Develop a treatment plan for the patient with spinal trauma.
Thoracic trauma	4	1. Discuss the pathophysiological principles and assessment findings in a patient with thoracic trauma. 2. Formulate a field impression for a thoracic trauma patient. 3. Develop a treatment plan for the patient with thoracic trauma.
Abdominal trauma	4	1. Discuss the pathophysiological principles and assessment findings in a patient with abdominal trauma. 2. Formulate a field impression for a abdominal trauma patient. 3. Develop a treatment plan for the patient with abdominal trauma.
Musculoskeletal trauma	3	1. Discuss the pathophysiological principles and assessment findings of musculoskeletal trauma. 2. Formulate a field impression of a patient experiencing musculoskeletal trauma. 3. Develop a treatment plan for the patient with musculoskeletal trauma.
Gynecology	3	1. Discuss gynecological principles and assessment findings. 2. Formulate a field impression. 3. Develop a treatment plan for the patient experiencing a gynecological emergency.
Obstetrics	10	1. Demonstrate an understanding of the anatomy and physiology of the female reproductive system. 2. Discuss management of a patient experiencing normal or abnormal labor in various stages of pregnancy under various conditions. 3. Describe complications of pregnancy. 4. Demonstrate care of the mother and infant post-delivery. 5. Discuss complications of childbirth.

Neonatology	8	1. Discuss assessment findings of a neonate. 2. Formulate a field impression of a neonate. 3. Develop a treatment plan for the neonate. 4. Demonstrate resuscitation steps of the neonate. 5. Discuss various neonate emergencies.
	75	

Outcomes*	Outcome Title	At the successful completion of this course, students will be able to:
Course Outcome	6 Shock	Identify 6 shock syndromes, signs, symptoms and treatment plans for each.
Course Outcome	Epid Phys Shock	Idenfity epidemiology and physiology of shock in any age trauma patient.
Course Outcome	Param Role Trauma	Explain the paramedic's role in decreasing mortality and morbidity in the trauma patient.
Course Outcome	Obst Delivery Plan	Identify signs, symptoms and treament plans for obstertrical patients during the delivery process.
Program Outcome	Paramedic Role Resp	Identify roles and responsibilities of a paramedic within the EMS system.
Primary Laker Learning Competency	Critical Thinking: Students connect knowledge from various disciplines to formulate logical conclusions.	
Secondary Laker Learning Competency	Professional Skills & Ethics: Students demonstrate professional 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.*