

8/26/2024

DATE

  
REQUIRED COURSE  
ELECTIVE COURSE

AHD DIVISION

  
NEW COURSE  
REVISION

## Lake Land College

## Course Information Form

COURSE NUMBER:		EMS-086		TITLE: (30 Characters Max)		Fundamentals Paramedicine III					
SEM CR HRS:	4	Lecture:		4	Lab:	0	ECH:		4		
Course Level:	<input type="checkbox"/> Gen Ed / IAI		<input checked="" type="checkbox"/> Career/Technical		Clinical Practicum:	0	Work-based Learning:	0	WBL ECH:	0	
	<input type="checkbox"/> Baccalaureate /Non-IAI12		<input type="checkbox"/> Dev Ed/ Not in Degree Audit								
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 and EMS-071 and EMS-074 and EMS-078										
Corequisites:	Concurrently enrolled in EMS-062 and EMS-084 and EMS-088										
Catalog Description: (40 Word Limit)	This course provides the beginning paramedic student with the knowledge to integrate pathophysiological principles and assessment findings to formulate a field impression and implement a treatment plan for the medical patient. Observation time is required.										

List the Major Course Segments (Units)	Contact Lecture Hours	Contact Lab Hours	Clinical Practicum	Work-based Learning
Pediatrics	10			
Geriatrics	9			
Acute Interventions in Chronic Care Patients	3			
Patients with Special Challenges	3			
Substance Abuse	3			
Mental Health	5			
Abuse and Assault	2			
HEENT/Respiratory	5			
Neurology	5			
Endocrinology	3			
Immunological Disorders	3			
Gastroenterology	3			
Urinary	3			
Toxicology and Environmental Conditions	3			
<b>TOTAL</b>	<b>60</b>	<b>0</b>	<b>0</b>	<b>0</b>

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

## COURSE MATERIALS

TITLE:	Basic Arrhythmias
AUTHOR:	Gail Walraven
PUBLISHER:	Pearson
VOLUME/EDITION/URL:	8th edition
COPYRIGHT DATE:	2016

MAJOR COURSE SEGMENT	HOURS	LEARNING OUTCOMES <i>The student will be able to:</i>
Pediatrics	10	<ol style="list-style-type: none"> <li>1. Discuss assessment findings of a pediatric patient.</li> <li>2. Formulate a field impression.</li> <li>3. Develop a treatment plan for the pediatric patient experiencing an emergency or trauma.</li> <li>4. Discuss Caregiver's response to emergencies.</li> <li>5. Discuss the use of analgesia and sedation in a pediatric patient.</li> <li>6. Discuss signs and symptoms of child abuse.</li> <li>7. Discuss children with special health care needs.</li> <li>8. Discuss Sudden Infant Death Syndrome and the effects on family.</li> <li>9. Discuss illness and injury prevention.</li> </ol>
Geriatrics	9	<ol style="list-style-type: none"> <li>1. Discuss geriatric principles and assessment findings.</li> <li>2. Formulate a field impression.</li> <li>3. Develop a treatment plan for the geriatric patient experiencing an emergency.</li> </ol>
Acute Interventions in Chronic Care Patients	3	<ol style="list-style-type: none"> <li>1. Discuss the pathophysiological principles and assessment findings for the acute deterioration of a chronic care patient.</li> <li>2. Formulate a field impression for the acute deterioration of a chronic care patient.</li> <li>3. Develop a treatment plan for the acute deterioration of a chronic care patient.</li> <li>4. Discuss home health care including hospice.</li> <li>5. Review ALS response to Home Care patients.</li> <li>6. Discuss DNR and self-determination issues.</li> </ol>
Patients with Special Challenges	3	<ol style="list-style-type: none"> <li>1. Discuss principles and assessment findings of patients with special challenges including physical, mental, social, and financial.</li> <li>2. Formulate a field impression.</li> <li>3. Develop a treatment plan for the patient with special challenges experiencing an emergency.</li> <li>4. Discuss family involvement and codependences with special challenges.</li> <li>5. Discuss issues with cultural awareness.</li> <li>6. Discuss homeless population.</li> </ol>
Substance Abuse	3	<ol style="list-style-type: none"> <li>1. Management of ethanol and illicit drug emergencies.</li> </ol>
Mental Health	5	<ol style="list-style-type: none"> <li>1. Discuss the pathophysiological principles and assessment findings of a patient with mental health disorders.</li> <li>2. Formulate a field impression of the patient with mental health disorders.</li> <li>3. Develop a treatment plan for the patient with mental health disorders.</li> </ol>
Abuse and Assault	2	<ol style="list-style-type: none"> <li>1. Discuss principles and assessment findings for a patient who has sustained abuse or assault.</li> <li>2. Formulate a field impression.</li> <li>3. Develop a treatment plan for the patient experiencing an abusive or assault emergency.</li> <li>4. Discuss crew and patient safety.</li> <li>5. Discuss legal considerations.</li> <li>6. Discuss cultural considerations.</li> <li>7. Discuss similarities and differences of various forms of abuse: intimate partner abuse, child abuse, elder abuse, sexual abuse.</li> </ol>

HEENT/Respiratory	5	1. Discuss pathophysiological principles and assessment findings of a patient with HEENT/respiratory disorders. 2. Formulate a field impression of the HEENT/respiratory patient. 3. Develop a treatment plan for the patient with HEENT/respiratory disorders.
Neurology	5	1. Discuss the pathophysiological principles and assessment findings of a patient with neurological disorder. 2. Formulate a field impression of the patient with neurological disorders. 3. Develop a treatment plan for the patient with neurological disorders.
Endocrinology	3	1. Discuss the pathophysiological principles and assessment findings of a patient with endocrine disorder. 2. Formulate a field impression of the patient with endocrine disorders. 3. Develop a treatment plan for the patient with endocrine disorders.
Immunological	3	1. Discuss the pathophysiological principles and assessment findings of a patient with immune disorders. 2. Formulate a field impression of the patient with immunological disorders. 3. Develop a treatment plan for the patient with immunological disorders.
Gastroenterology	3	1. Discuss the pathophysiological principles and assessment findings of a patient with gastrointestinal disorders. 2. Formulate a field impression of the patient with gastrointestinal disorders. 3. Develop a treatment plan for the patient with gastrointestinal disorders.
Urinary	3	1. Discuss the pathophysiological principles and assessment findings of a patient with urinary disorders. 2. Formulate a field impression of the patient with urinary disorders. 3. Develop a treatment plan for the patient with urinary disorders.
Toxicology and Environmental Conditions	3	1. Discuss the pathophysiological principle and assessment findings of a patient with toxicology and environmental conditions. 2. Formulate a field impression of the patient with toxicology and environmental conditions. 3. Develop a treatment plan for the patient with toxicology and environmental conditions.
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Outcomes*	At the successful completion of this course, students will be able to:
Course Outcome	Develop treatment plan for patients of various ages based on assessment data.
Course Outcome	Identify complications and risks associated with special needs patients.
Course Outcome	Identify epidemiology, assessment, and management of respiratory disorders.
Course Outcome	Discuss management of aged patient with an environmental and toxicology emergency.
Course Outcome	Describe management sequence for the patient with various medical conditions.
Program Outcome	Implement treatment plans for patients of all ages in medical emergencies.
Program Outcome	Recognize the need for interagency collaboration for patient care during emergencies.

Primary Laker Learning Competency	Critical Thinking: Students connect knowledge from various disciplines to formulate logical conclusions and judgments.
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Secondary Laker Learning Competency	Professional Skills & Ethics: Students demonstrate professional business skills and ethical accountability.
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*\*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.*