

EMC 118 Course Outline as of Fall 2021**CATALOG INFORMATION**

Dept and Nbr: EMC 118 Title: PALS

Full Title: Pediatric Advanced Life Support

Last Reviewed: 1/25/2021

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	0.50	Lecture Scheduled	5.25	1	Lecture Scheduled	5.25
Minimum	0.25	Lab Scheduled	10.75	1	Lab Scheduled	10.75
		Contact DHR	0		Contact DHR	0
		Contact Total	16.00		Contact Total	16.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 10.50

Total Student Learning Hours: 26.50

Title 5 Category: AA Degree Applicable

Grading: P/NP Only

Repeatability: 21 - Legally Mandated Repetition

Also Listed As:

Formerly: EMC 329.1

Catalog Description:

This course is designed to prepare the health care professional to care for critically ill and injured children in the pre-hospital setting. Upon successful completion, the student will be awarded an American Heart Association (AHA) Pediatric Advanced Life Support (PALS) certification valid for two years.

Prerequisites/Corequisites:**Recommended Preparation:****Limits on Enrollment:**

Per specification of American Heart Association, to receive pediatric advanced life support certification student must be licensed physician, nurse, paramedic, respiratory care practitioners, or certified Emergency Medical Technician.

Schedule of Classes Information:

Description: This course is designed to prepare the health care professional to care for critically ill and injured children in the pre-hospital setting. Upon successful completion, the student will be awarded an American Heart Association (AHA) Pediatric Advanced Life Support (PALS)

certification valid for two years. (P/NP Only)

Prerequisites/Corequisites:

Recommended:

Limits on Enrollment: Per specification of American Heart Association, to receive pediatric advanced life support certification student must be licensed physician, nurse, paramedic, respiratory care practitioners, or certified Emergency Medical Technician.

Transfer Credit:

Repeatability: Legally Mandated Repetition

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	Area	Effective:	Inactive:
CSU GE:	Transfer Area	Effective:	Inactive:
IGETC:	Transfer Area	Effective:	Inactive:
CSU Transfer:		Effective:	Inactive:
UC Transfer:		Effective:	Inactive:

CID:

Certificate/Major Applicable:

Not Certificate/Major Applicable

COURSE CONTENT

Student Learning Outcomes:

At the conclusion of this course, the student should be able to:

1. Apply knowledge and demonstrate skills required to receive American Heart Association certification in Pediatric Advanced Life Support provider.

Objectives:

At the conclusion of this course, the student should be able to:

1. Identify symptoms of respiratory failure and shock in the infant and child.
2. Identify and demonstrate relevant pharmacology principles for pediatric resuscitation.
3. Demonstrate the airway management skills needed for the resuscitation of the pediatric patient in cardiopulmonary arrest.
4. Discuss specific resuscitative issues as they relate to the neonate.
5. Identify and demonstrate techniques to establish venous access of pediatric patient in cardiopulmonary arrest.
6. Identify common cardiac dysrhythmias and electrical intervention.
7. Discuss pediatric trauma incidents and management.

Topics and Scope:

- I. Recognition/management of Pediatric Cardio Respiratory Failure and Shock
 - A. Assessment
 - B. Intervention
- II. Pharmacology
 - A. Pharmacokinetics

- B. Pediatric resuscitative drugs
- III. Airway Management (Lab)
 - A. Basic airway skill
 - B. Advanced airway skills
- IV. Neonatal Resuscitation (Lab)
- V. Pediatric vascular access (Lab)
- VI. Pediatric Rhythm Disturbances and Defibrillation (Lab)
 - A. Cardiac rhythms
 - B. Intervention
- VII. Pediatric Trauma (Lab)
 - A. Accidental
 - B. Non-accidental

All topics are covered in the lecture and lab portions of the course.

Assignment:

Lab related assignments

1. Participate in interactive scenarios and skills stations
2. Complete performance exam
3. Multiple choice exam

Lecture related assignments

- 1 Reading assignments before attending class (8 - 12 hours)
2. Complete reading text by completion of class.

NOTE: Student must pass both performance and written exams to earn certificate and pass class.

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

None, This is a degree applicable course but assessment tools based on writing are not included because skill demonstrations are more appropriate for this course.

Writing
0 - 0%

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Skills scenarios

Problem solving
20 - 40%

Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Performance exams

Skill Demonstrations
50 - 70%

Exams: All forms of formal testing, other than skill performance exams.

Multiple choice, American Heart Association certification exam

Exams
10 - 25%

Other: Includes any assessment tools that do not logically fit into the above categories.

None

Other Category
0 - 0%

Representative Textbooks and Materials:

Pediatric Advanced Life Support Workbook, American Heart Association - current issue