

NOVA COLLEGE-WIDE COURSE CONTENT SUMMARY EMS 167 – EMERGENCY PEDIATRICS COURSE (1 CR.)

Course Description

Provides a unique approach to pediatric medical care, offering assessment techniques that can help EMS practitioners rapidly and accurately assess pediatric patients to determine which situations may be life threatening and require immediate intervention. Offers certification as defined by the National Association of Emergency Medical Technicians (NAEMT). Lecture 1 hour. Total 1 hour per week.

General Course Purpose

Provides the knowledge and skills that promote the competence of healthcare providers responsible for the assessment and management of pediatrics patients who present with a variety of emergencies

Course Prerequisites/Corequisites

None.

Course Objectives

Upon completing the course, the student will be able to:

- a) Explain the anatomical, physiological, and developmental differences in children and how they affect the child's responses to illness and injury.
- b) Describe how the Pediatric Assessment Triangle can act as a critical tool to guide the approach to and evolution of pediatric assessment and treatment.
- c) Discuss the assessment and management of newborns, infants and children suffering from: airway and breathing problems, hypoperfusion and shock, trauma, common medical problems, cardiac disease, special medical needs or child abuse and neglect.
- d) Describe the principles of family centered care and how they can be applied to benefit children, their families and the medical providers caring for them.

Major Topics to be Included

- a) Understanding pediatric patients
- b) Airway, breathing and oxygenation
- c) Cardiac emergencies
- d) Child Abuse and neglect
- e) Common medical emergencies
- f) The importance of family
- g) Hypoperfusion and shock
- h) Newborn resuscitation
- i) Pediatric trauma
- j) Special health care needs