PREREQUISITES: EMTC0228

REQUIRED TEXT AND MATERIALS: Please check with the KCKCC bookstore, http://www.kckccbookstore.com for the required text for your particular class

COURSE DESCRIPTION:
The didactic content of this course is designed to continue serving as a general framework for the implementation of the objectives of the paramedic curriculum. This course deals with many of the special populations that the paramedic will be dealing with as they begin their careers.

METHOD OF INSTRUCTION:
A variety of instructional methods may be used depending on content area. These include but are not limited to: lecture, multimedia, cooperative/collaborative learning, labs and demonstrations, projects and presentations, speeches, debates, and panels, conferencing, performances, and learning experiences outside the classroom. Methodology will be selected to best meet student needs.

COURSE OUTLINE:
Per DOT National Standard Curriculum and Kansas Board of EMS requirements the following topics will be explored:

I. Neonatology
   A. General pathophysiology, assessment, and management
   B. The distressed newborn
   C. Specific neonatal situations

II. Pediatrics
   A. General approach to pediatric emergencies
B. Pediatric assessment
C. General management of pediatric patients
D. Specific medical emergencies
E. Trauma emergencies
F. SIDS

III. Geriatrics
A. Epidemiology and demographics
B. General pathophysiology, assessment, and management
C. System pathophysiology in the elderly
D. Common medical problems in the elderly
E. Trauma in the elderly patient

IV. Abuse and Assault
A. Partner abuse
B. Elder abuse
C. Child abuse
D. Sexual assault

V. Challenged Patients
A. Physical challenges
B. Mental challenges and emotional impairments
C. Developmental disabilities
D. Pathological challenges
E. Other challenges

VI. Chronic Care Patients
A. Epidemiology of home care
B. General system pathophysiology, assessment, and management
C. Specific acute home health situations

VII. Assessment Based Management
A. Effective assessment
B. The right equipment
C. General approach to the patient
D. Presenting the patient
E. Review of common complaints

EXPECTED LEARNER OUTCOMES:

1. The student will be able to effectively manage the newborn patient.
2. The patient will be able to assess and manage the pediatric patient with various presentations.
3. The student will be able to assess and manage the emergencies that geriatric patients present with.
4. The student will be knowledgeable about the different types of abuse and assault they may encounter in the field.
5. The student will understand the challenges of various patients encountered in the field.
6. The student will discuss acute interventions for the chronic-care patient.
7. The student will discuss assessment-based management as an approach to patient care.

COURSE COMPETENCIES:
The student will be able to effectively manage the newborn patient.
1. The student will define newborn and neonate.
2. The student will identify intrapartum factors that can determine high-risk newborn patients.
3. The student will distinguish between primary and secondary apnea.
4. The student will formulate an appropriate treatment plan for providing initial care to a newborn.
5. The student will discuss the routes of medication administration for a newborn.
6. The student will discuss the effects of maternal narcotic usage on the newborn.
7. The student will discuss transport guidelines for a newborn.

**The student will assess and manage the pediatric patient with various presentations.**
8. The student will identify mechanisms that prevent injuries to infants and children.
9. The student will describe techniques for successful assessment and treatment of infants and children.
10. The student will define pediatric respiratory distress, failure, and arrest.
11. The student will describe the primary etiologies of altered level of consciousness in infants and children.
12. The student will determine when pain management is appropriate for infants and children.

**The student will be able to assess and manage the emergencies that geriatric patients present with.**
13. The student will assess the various living environments of elderly patients.
14. The student will discuss the use and effects of commonly prescribed drugs for the elderly patient.
15. The student will discuss factors that may complicate the assessment of the elderly patient.
16. The student will discuss common complaints of elderly patients.
17. The student will discuss the normal and abnormal changes of age in relation to the pulmonary system.

**The student will be knowledgeable about the different types of abuse and assault they may encounter in the field.**
18. The student will discuss the incidence of abuse and assault.
19. The student will describe the categories of abuse.
20. The student will discuss the legal aspects associated with abuse situations.
21. The student will discuss the documentation necessary when caring for abused and assaulted patients.

**The student will understand the challenges of various patients encountered in the field.**
22. The student will describe the various etiologies and types of hearing impairments.
23. The student will anticipate accommodations that may be needed in order to properly manage the patient with a hearing impairment.
24. The student will recognize patients with, and anticipate accommodations that may be needed in order to manage patients with Down Syndrome.
25. The student will describe, identify possible presenting signs of, and anticipate accommodations for multiple sclerosis and myasthenia gravis.

**The student will discuss acute interventions for the chronic-care patient.**
26. The student will identify the importance of home health care medicine as it relates to emergency medical services.
27. The student will list pathologies and complications in home care patients that commonly result in ALS intervention.
28. The student will list the stages of the grief process.

**The student will discuss assessment-based management as an approach to patient care.**
29. The student will explain how effective assessment is critical to clinical decision making.
30. The student will synthesize and apply concepts of scene management and choreography to simulated emergency calls.
31. The student will explain the general approach to the emergency patient.
ASSESSMENT OF LEARNER OUTCOMES:
Student progress is evaluated by means that include, but are not limited to, exams, written assignments, and class participation.

SPECIAL NOTES:
This syllabus is subject to change at the discretion of the instructor. Material included is intended to provide an outline of the course and rules that the instructor will adhere to in evaluating the student’s progress. However, this syllabus is not intended to be a legal contract. Questions regarding the syllabus are welcome any time.

Kansas City Kansas Community College is committed to an appreciation of diversity with respect for the differences among the diverse groups comprising our students, faculty, and staff that is free of bigotry and discrimination. Kansas City Kansas Community College is committed to providing a multicultural education and environment that reflects and respects diversity and that seeks to increase understanding.

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