ARKANSAS TECH UNIVERSITY

DEPARTMENT OF NURSING

PRINCIPLES OF ACLS

NUR 4502
MT1

Spring 2020
Dr. Cheryl Monfee

ARKANSAS TECH UNIVERSITY

DEPARTMENT OF NURSING

Course: NUR 4502

Course Title: SELECTED TOPICS: SURVIVING A CODE: ACLS FOR NURSING STUDENTS

Credit Hours: TWO (2) SEMESTER HOURS

Contact Hours:

Placement: DEPARTMENTAL PERMISSION

Instructors:

>Cheryl Monfee
>Office: Dean 126 G
>Office Hours: Posted on door
>Phone: 479-747-4958 (cell)
>E-mail: cmonfee1@atu.edu

Course Description:

>This course is designed to offer the student the knowledge and skills necessary to provide appropriate early treatment for cardiopulmonary arrest in the adult, pediatric, and neonatal client. Students will examine ethical considerations in resuscitation as it applies to clinical practice. Simulated laboratory experiences will be provided utilizing current ACLS protocols as guidelines for emergency care.

Instructional Resources--Required Textbooks:
>American Heart Association. Advanced Cardiac Life Support Provider Manual

Recommended Websites to Review:
http://www.heart.org/HEARTORG/CPRAndECC/HealthcareTraining/AdvancedCardiovascularLifeSupportACLS/Advanced-Cardiovascular-Life-Support-ACLS_UCM_001280_SubHomePage.jsp

>http://www.acls.net/aclsalg.htm
>www.cdemaned.com/sample_test_questions2.htm

Justification/Rationale for the Course

By the completion of this course the student will progress toward program goals/outcomes 1, 2, 3, and 4.

This upper division professional nursing course provides opportunities for the student to apply knowledge and skills from the general education component and from nursing courses to the care of individuals, families and community.

Course Objectives:

Upon completion of the course, the student will:

1. Analyze and interpret cardiac rhythm strips.

2. Demonstrate the knowledge to direct a code using the ACLS protocols for emergency care.

3. Discuss ethical considerations in resuscitation.

Evaluation:

1. Grading Scale
   A = 90 - 100
   B = 80 - 89
   C = 75 - 79
   D = 68 - 74
   F = 67 and below

2. As required in all Nursing Courses a grade of "C" or above is required to pass this course. Any grade below 75% will not be rounded up.

3. A grade of "I" may be recorded for a student whose work is incomplete due to circumstances beyond the student's control. The student must take responsibility for removal of the "incomplete" grade according to the Arkansas Tech University's catalog requirements.

4. Examinations will be taken at designated times. If a student cannot take the examination at the regularly scheduled time, he/she is responsible for contacting the instructor as soon as possible to make appropriate arrangements to make up the examination. Make-up examinations will not necessarily be the same format as the original exam.

5. A $10.00 certification fee will be required by students should verification be available through the American Heart Association.

Course Requirements:

A. Rhythm strip analysis

B. Participation in simulated "Mock Code".

C. Final Exam

Course Grade:

The course will be established by calculating the following components:

Analysis of Rhythm Strips	20%
Mock Code	40%
Final Exam	40%
Total Possible for Final Grade	100%

Conduct of the Course:

Teacher Roles: Educator, Facilitator, Evaluator, Resource Person, and Supporter.

Student Roles: Learner, Presenter, Health Care Provider and Collaborator.

Teaching/Learning Strategies:
Lecture and discussion, individual presentations, guest speakers, laboratory simulation, and selected readings.

Policies

Class Attendance/Tardy:

1. The faculty considers attendance at all classes to be of major importance in order to assure that the students will progress to maximum potential. The Arkansas Tech University catalog provides content concerning class attendance.
2. If a consistent pattern of absences from class develops, the situation will be dealt with by the faculty and/or the level/team member.

3. Students are encouraged to be on time to class. Tardiness to class in unprofessional and interruptive to the classroom

Disability Statement:

It is the policy of Arkansas Tech University to accommodate students with disabilities, pursuant to Section 504 of the Rehabilitation Act of 1973, and Title II of the Americans with Disabilities Amendments Act of 2008. If you anticipate a barrier while enrolled in this course that is in relation to a disability, please contact your instructor privately to discuss you r needs and concerns. You are not required to disclose the specific nature of your disability but you should be able to discuss the impact the disability has upon your academic experience. Additionally, you should contact Disability Services in Doc Bryan Students Services, Suite 141, (479) 968-0302/TTY (479) 964-3290, to begin the accommodation process.

Cell Phone Policy:

Cell phones are to be placed in your pocket/bag or purse, on silent, and not to be used in this class without specific permission from this instructor.

Outline / Course Objectives / Learning Activities
I. Overview of ACLS
1. Identify symptoms of cardiac/respiratory distress and appropriate intervention measures.
2. Discuss algorhythms used to direct/treat patients with identified cardiac dysrhythmias.
3. Participate in "mock code".

Learning Activities: Guest Lecturer, Slide presentation, return demonstrations

II. Cardiac Rhythms/Dysrhythmias
1. Differentiate between normal sinus rhythm and various cardiac dysrhythmias.
2. Discuss steps to rhythm identification.
Learning Activities: Slide presentations/practice strips

III. Acute MI/Stroke

1. Discuss symptoms and treatment of patients with Acute MI and Stroke.
2. Identify treatment modality/algorhythm for patients diagnosed with Respiratory Arrest with pulse.
3. Analyze rhythm and discuss appropriate treatment of patient with Bradycardia; identifying algorhythm used to guide treatment, medications, etc.
Learning activities: Lecture, case studies, mock codes, return demonstration

IV.   Asystole/PEA/Stable and Unstable Tachycardia

    1.   Identify rhythms and algorhythms used for treatment of the above listed conditions.
    2.   Differentiate between stable and unstable tachycardia and appropriate treatment modalities.
        Learning activities: Lecture, mnemonics, case studies, and pretest/post-test

I.   V. Fib/Pulseless V. Tach

      1.   Identify rhythms associated with V. fib and Pulseless V. Tach.
      2.   Differentiate between Fine V. Fib and Asystole.
      3.   Discuss treatment modalities used in resuscitation of patients diagnosed with V. Fib and/or Pulseless V. Tach.

II.   Respiratory Equipment/Airway Management

      1.   Identify various respiratory devises used during a "code"; identifying those used most often, more successfully.
      2.   Review the ABC's of Airway management.
      3.   Demonstrate the ability to intubate a respiratory mannequin.
         Learning Activities: Lecture, guest presentation, return demonstrations

III.   ACLS Review/Mock Codes
      1.   Participate in various case scenarios, serving in role of code leader, respiratory technician, CPR provider, medication nurse and/or stenographer.
      2.   Demonstrate competency in leading a code.