COLLEGEWIDE COURSE OUTLINE OF RECORD

RESP 203, ADVANCED EMERGENCY MANAGEMENT

COURSE TITLE: Advanced Emergency Management
COURSE NUMBER: RESP 203
PREREQUISITES: Current CPR AHA-BLS for Healthcare Professionals or equivalent
SCHOOL: Health Sciences
PROGRAM: Respiratory Therapy
CREDIT HOURS: 1
CONTACT HOURS: Lecture: 1
DATE OF LAST REVISION: Fall, 2019
EFFECTIVE DATE OF THIS REVISION: Spring, 2020

CATALOG DESCRIPTION: Application of various techniques in advanced cardiopulmonary support during life threatening events. At the end of the course, students will be expected to successfully apply knowledge in a mock adult patient care setting.

MAJOR COURSE LEARNING OBJECTIVES FROM 2020 NBRC MATRIX: Upon successful completion of this course the student will be expected to:

1. Demonstrate BLS skills
2. Perform clinical assessment to identify and describe dysrhythmias:
    a. Palpation of pulse, rhythm and intensity
    b. Auscultation (breath sounds, heart sounds & rhythm and blood pressure
3. Perform procedures to gather clinical information:
    a. 12 Lead ECG
    b. Noninvasive monitoring (pulse oximetry and capnograpy)
4. Evaluate procedures results:
    a. 12 Lead ECG
    b. Noninvasive monitoring (pulse oximetry and capnograpy)
5. Recommend diagnostic procedures:
    a. 12 Lead ECG
    b. Noninvasive monitoring (pulse oximetry and capnograpy)
6. Initiation and modification of interventions to maintain a patent airway including the care of artificial airways:
    a. Recognition of difficult airway
    b. NPA and OPA
    c. Esophagealtracheal tubes/supraglottic airways
    d. Endotracheal tube
7. Support oxygenation and ventilation
    a. Minimizing hypoxemia (patient positioning secretion removal)
    b. Noninvasive ventilation
8. Ensure modifications are made to the respiratory care plan
    a. Starting treatment based on patient response

       b. Discontinuing treatment based on patient response
       c. Recommendations for pharmacologic interventions
           i. Cardiovascular medications
          ii. Changes to drug, dose, administration frequency, mode, or concentration
         iii. IV/IO, ETT route
       d. Recommend defibrillation, synchronized cardioversion and transcutaneous pacing

9. Utilize evidence-based medicine principles
       a. Classification of disease severity
       b. Recommendations for changes in a therapeutic plan when indicated

10. Provide respiratory care in high risk situations
       a. Cardiopulmonary emergencies, excluding CPR
           i. Recognize signs and symptoms of a CVA, TIA, ACS, chest pain, MI and recommend appropriate evidence based medicine to treat patient
       b. Medical emergency team (MET)/rapid response team
       c. Interprofessional communication
           i. Understand and demonstrates effective team skills during an emergency situation

11. Recognize return of spontaneous circulation and appropriately manage the patient

COURSE CONTENT: Topical areas of study include –

Adjuncts for airway control
Cardiopulmonary Assessment
EKG recognition and Arrhythmia interpretation
Defibrillation
Emergency cardiac pacing
IV procedures
Pharmacology
Special resuscitation techniques
Algorithms
Examinations

For AHA/ACLS certification students must demonstrate skill competency in all learning stations, pass the CPR-AED skills test, bag-mask ventilation skills test, megacode test and pass the written test with the designated cut score.

HOW TO ACCESS THE IVY TECH COMMUNITY COLLEGE LIBRARY:

The Ivy Tech Library is available to students' on- and off-campus, offering full text journals and books and other resources essential for course assignments. Go to http://www.ivytech.edu/library/ and choose the link for your campus.

ACADEMIC HONESTY STATEMENT:

The College is committed to academic integrity in all its practices. The faculty value intellectual integrity and a high standard of academic conduct. Activities that violate academic integrity undermine the quality and diminish the value of educational achievement.

Cheating on papers, tests or other academic works is a violation of College rules. No student shall engage in behavior that, in the judgment of the instructor of the class, may be construed as cheating. This may include, but is not limited to, plagiarism or other forms of academic dishonesty such as the acquisition without permission of tests or other academic materials and/or distribution of these materials and other academic work. This includes students who aid and abet as well as those who attempt such behavior.

ATTENDANCE:

Students are expected to attend and participate regularly in class meetings, online learning activities and other activities assigned as a part of a course of instruction. Faculty are required to report student participation in compliance with institutional policies and federal financial aid guidelines. Faculty and staff shall be sensitive to students' religious beliefs and observances, including an expectation that instructors make reasonable arrangements when a student must miss an exam or other academic exercise due to their religious observance. When notified in advance, and when possible, faculty will make allowances for students to make up missed work.

COPYRIGHT STATEMENT:

Students shall adhere to the laws governing the use of copyrighted materials. They must insure that their activities comply with fair use and in no way infringe on the copyright or other proprietary rights of others and that the materials used and developed at Ivy Tech Community College contain nothing unlawful, unethical, or libelous and do not constitute any violation of any right of privacy.

ADA STATEMENT:

Ivy Tech Community College seeks to provide reasonable accommodations for qualified individuals with documented disabilities. If you need an accommodation because of a documented disability, please contact the Office of Disability Support Services.

If you will require assistance during an emergency evacuation, notify your instructor immediately. Look for evacuation procedures posted in your classroom.

TITLE IX STATEMENT:

Ivy Tech Community College is committed to providing all members of the College community with a learning and work environment free from sexual harassment and assault. Ivy Tech students have options for getting help if they have experienced sexual assault, relationship violence, sexual harassment or stalking. This information can be found at https://www.ivytech.edu/prevent-sexual-violence/index.html.

If students write or speak about having survived sexual violence, including rape, sexual assault, dating violence, domestic violence, or stalking, federal law and Ivy Tech policies require that instructors share this information with the Campus Title IX Coordinator. The Campus Title IX

Coordinator will contact students to let them know about accommodations and support services at the College and in the community as well as options for holding accountable the person who harmed them. When contacted, students are not required to speak with the Campus Title IX Coordinator.

If students do not want the Title IX Coordinator notified, instead of disclosing this information to their instructor, students can speak confidentially with certain individuals at the College or in the community. A list of these individuals can be found at https://www.ivytech.edu/prevent-sexual-violence/index.html under Confidential Employees and/or Community Resources.