***University of Iowa Hospitals & Clinics***

***Department of Nursing Services and Patient Care***

# Advanced Cardiovascular Life Support (ACLS) Initial and Renewal Classes for Departments of Nursing and Respiratory

January - June 2021

***Nursing Clinical Education Center 4 West, General Hospital***

***319-356-1238 Tel***

#### Class Location:

**Nursing Clinical Education Center (NCEC)**

**Intended Audience:**

RNs employed in the UIHC Department of Nursing and Respiratory Therapists employed at UIHC that are **required** to have

**Initial Class**

#### Dates:

Friday, February 5, 2021

Friday, March 5, 2021

Friday, April 2, 2021

Friday, May 7, 2021
Friday, June 4, 2021

**Time: 8:00 a.m.- 4:30 p.m.**

**Purpose/Description:**

**Renewal Class**

#### Dates:

Friday, January 15, 2021 (AM & PM) Friday , February 19, 2021 (AM & PM) Friday, March 19, 2021 (AM & PM) Friday, April 16, 2021 (AM & PM) Friday, May 21, 2021(AM & PM) Friday, June 18, 2021 (AM &PM) **Time: AM sessions**: **8:00 – 12:00p.m. PM sessions: 12:30 - 4:30 p.m.**

ACLS certification for their employment

**Registration:**

**Pre-registration is required at least four weeks prior to the class date. We reserve the right to cancel classes due to insufficient enrollment.**

Nurse Managers/ANMs may register individuals for the initial and renewal classes through the ERMA system.

Questions about registration or course information should be directed to Amy Bowman at 319-356-1239 or amy-

bowman@uiowa.edu

**Course Fees:**

There is no fee for the course or for the optional nursing CE credits.

**Nursing Contact Hours:** Contact hours will be awarded by UIHC Department of Nursing (IBN Approved Provider #34).

Participants must attend the entire program to receive full credit.

Initial class: **6.5 contact hours**

Renewal class: **3.1 contact hours**

**Individuals with disabilities are encouraged to attend all University of Iowa-sponsored events. If you are a person with a disability who requires an accommodation to participate in this program, please contact the Department of Nursing in advance at (319) 356-1238.**

The ACLS course is designed to help all course participants succeed in acquiring the skills and

knowledge they need to perform their professional role in resuscitation attempts. This course is taught by American Heart Association qualified instructors and content experts in cardiovascular care.

### Course Prerequisites:

**Class size is limited to participants from the Departments of Nursing or Respiratory Care who are required to attend the course for their job position**. Participants are required to prepare for class by completing the Pre-course Self-Assessment. Provider Manuals are available for check out from selected units or the NCEC. Attendees are required to have current basic cardiac life support (BCLS) for health care providers, basic pharmacology, and previous electrocardiogram (EKG)experience. **The Pre-course Self-Assessment must be completed, printed out and brought to class. A passing score is 70% or above.**

### Objectives:

1. Demonstrate knowledge and skills in the management of the first 10 minutes of ventricular fibrillation (VF)/ventricular tachycardia (VT) arrest, including primary and secondary Airway, Breathing, Circulation, Disability (ABCD) survey of cardiac arrest and post-resuscitation care.
2. Perform and demonstrate via case studies, the core knowledge and skills necessary to manage the following scenarios within a team: respiratory arrest, pulseless ventricular tachycardia and ventricular fibrillation with automated external defibrillator (AED) use and refractory VT/VF to AED, pulseless electrical activity, asystole, acute coronary syndrome, bradycardia, stable and unstable tachycardia, and acute ischemic stroke.
3. Demonstrate via case scenario, team leading and closed-loop communication skills necessary to manage ventricular fibrillation, pulseless electrical activity, and asystole cardiac arrest situations.

Course Coordinator: Amy Bowman MSN, RN, CCRN and Janet Hosking, MSN, RN-BC, CHSE ACLS Instructors from the Department of Nursing and Respiratory Care will assist with individual skill stations.

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## Initial Provider Agenda

0745 Sign-In/Registration and verify of pre-course self-assessment certificate pass 70% 0800 – 0805 Introduction to ACLS

0805 – 0840 ACLS Science of Resuscitation

Systematic Approach

0840 – 0850 Break

0850-1120 Learning Stations: Scenarios and Videos

Tachycardia Station and Algorithm Bradycardia Station and Algorithm Cardiac Arrest: Asystole/PEA/Algorithm

Cardiac Arrest: VT/VF/ Post-Cardiac Arrest Care CPR/AED/Respiratory Arrest

1130-1200 Lunch on own

1200-1300 Team Dynamics Video

Acute Coronary Syndrome Video Acute Ischemic Stroke Megacode

Coping with Death

1300-1530 Megacode Testing Stations

1530-1630 Written Exam/ Adjourn

**Renewal Provider Agenda**

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| 0745 | Sign-In/Registration and verify pre-course self-assessment certificate pass 70% |
| 0800-0900 | Science of Resuscitation |
| (1230-1330) | Systematic Approach |
|  | Team Dynamics |
|  | Megacode |

0900-1105 Megacode Testing Stations (1330-1535)

1110-1200 Written Exam/Adjourn

(1540-1630)