



MASTER COURSE OUTLINE

Prepared By: Dana Borschowa

Date: December 2018

COURSE TITLE

Advanced Life Support & Pediatric Scenarios

GENERAL COURSE INFORMATION

Dept.: SIM

Course Num: 211

(Formerly:SIM 211 & 221)

CIP Code: 15.0401

Intent Code:

Program Code: 654

Credits: 8

Total Contact Hrs Per Qtr.: 132

Lecture Hrs:44

Lab Hrs:88

Other Hrs:

Distribution Designation:)

COURSE DESCRIPTION (as it will appear in the catalog)

This course focuses on designing and running simulation case-based scenarios for emergencies involving infants, children & adults. Students will direct the management of simulation case-based scenarios in relation to cardiopulmonary arrest and other emergencies as related to ACLS & PALS training scenarios for nursing instruction, hospital and medical providers, and emergency response teams. Student must pass this course with a minimum 2.0 grade in order to be applied to degree completion.

PREREQUISITES

SIM 110, SIM 120, SIM 130, and SIM 140

TEXTBOOK GUIDELINES

As required by the BBCC Simulation Technology program

COURSE LEARNING OUTCOMES

Upon successful completion of the course, students should be able to demonstrate the following knowledge or skills.

1. Demonstrate an understanding of trauma and medical conditions for adults and pediatrics, such as ventricular fibrillation, asystole, bradycardia, PEA, hypovolemia, asthma, pneumonia, fluid and electrolyte imbalances, SVT, bradycardia, and anaphylaxis.
2. Identify and utilize correct medical equipment and supplies needed to facilitate ACLS & PALS scenarios
3. Recognize and apply medication administration principles for preprogramed and "on the fly" ACLS & PALS scenarios
4. Integrate knowledge of human body systems into developing scenarios that meet ACLS & PALS training standards
5. Prepare, troubleshoot, and maintain simulators, part-task trainers, simulation rooms, and other AV equipment for interactions with community partners
6. Create reference materials, equipment specifications, and operation manuals for running ACLS scenarios
7. Verbalize the ethical implications of simulation
8. Facilitate high quality simulations by addressing all stages of simulation development and implementation
9. Demonstrate awareness of interprofessional team dynamics
10. Integrate principles of debriefing and feedback by demonstrating leadership capabilities.
11. Demonstrate proper and proficient use of healthcare and simulation specific vocabulary.

INSTITUTIONAL OUTCOMES

COURSE CONTENT OUTLINE

Students will be required to implement simulated scenarios addressing the following topics:

1. Ventricular Fibrillation
2. Asystole
3. Bradycardia
4. PEA
5. Hypovolemia
6. Asthma
7. Pneumonia
8. Fluid and Electrolyte Imbalances
9. Tachycardia
10. Anaphylaxis

DEPARTMENTAL GUIDELINES *(optional)*

DIVISION CHAIR APPROVAL

DATE