



MASTER COURSE OUTLINE

Prepared By: Dana Borschowa

Date: June 2018

COURSE TITLE

Pediatric Scenarios

GENERAL COURSE INFORMATION

Dept.: SIM

Course Num: 221

(Formerly:SIM 211 & 221)

CIP Code: 15.0401

Intent Code:

Program Code: 654

Credits: 5

Total Contact Hrs Per Qtr.: 77

Lecture Hrs:44

Lab Hrs:33

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 and children. Students will be required to develop and implement PALS scenarios that can be used for emergency response, emergency medicine, intensive care, and critical response healthcare teams. Additional emphasis will be given to debriefing strategies and techniques. Student must pass this course with a minimum 2.0 grade in order to be applied to degree completion.

PREREQUISITES

SIM 161 or Instructor Permission

Co-requisite: SIM 211

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 common pediatric medical conditions such as asthma, pneumonia, fluid and electrolyte imbalances, SVT, bradycardia, and anaphylaxis.
2. Recognize and apply medication administration principles for preprogrammed and “on the fly” PALS scenarios.
3. Prepare, program, and operate simulators, task-trainers, and simulator rooms.
4. Demonstrate functional knowledge of AV equipment, software, formatting for recording, duplicating, mixing, and editing.
5. Integrate principles of debriefing and feedback by demonstrating leadership capabilities.
6. Create reference materials, equipment specifications, and operation manuals for running PALS scenarios.
7. Demonstrate proper and proficient use of healthcare and simulation specific vocabulary.
8. Verbalize the ethical implications of simulation.

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