MASTER COURSE OUTLINE

Prepared By: Dana Borschowa   Date: December 2018

COURSE TITLE
Fundamentals of Simulation Theory

GENERAL COURSE INFORMATION

Dept.: SIM	Course Num: 130	(Formerly:SIM 130 & 230)
CIP Code: 15.0401	Intent Code: 21	Program Code: 654
Credits: 4		
Total Contact Hrs Per Qtr.: 44		
Lecture Hrs: 44	Lab Hrs:	Other Hrs:
Distribution Designation:)		

COURSE DESCRIPTION (as it will appear in the catalog)
Medical simulation is a complex integration of technology that requires the use of online support materials. It is the Simulation Technician's role to organize and present this support material. This course is designed to train students how to develop and implement instructional support materials for high and low fidelity simulations. A strong focus will be placed on accessibility, instructional strategies, and assessment. Students will also focus on simulation theory and history. *Student must pass this course with a minimum 2.0 grade in order to be applied to degree completion.(Previous Title Introduction to Medical Simulation)*

PREREQUISITES
None

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. Discuss simulation theory, history, and operation
2. Verbalize simulation concepts such as realism, reliability, validity, feasibility, and risk management
3. Write learning objectives for a simulation training course that are clear and measurable.
4. Integrate high engagement instructional strategies using online and simulated learning environments.
5. Implement assessment strategies for evaluating participant progress.
6. Produce instructional support materials for high and low fidelity simulations.
7. Explain the timeline of healthcare simulation history and how it applies to current simulation standards.

INSTITUTIONAL OUTCOMES
IO3   **Human Relations/Workplace Skills**: Demonstrate effective decision-making, critical thinking, and interpersonal skills that match the level of responsibility needed in order to function as a member of a team of professionals.

COURSE CONTENT OUTLINE
1. Simulation Theory, History, and Operation

2. Developing Learning Objectives
3. High Engagement Instructional Strategies
4. Assessment Strategies
5. Instructional Support Materials
6. Revision and Feedback

DEPARTMENTAL GUIDELINES *(optional)*

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DIVISION CHAIR APPROVAL   **DATE**