MASTER COURSE OUTLINE
Prepared By: Dana Borschowa   Date: December 2018

COURSE TITLE
Basic Simulation Diagnostics

GENERAL COURSE INFORMATION

Dept.: SIM	Course Num: 140	(Formerly:)
CIP Code: 15.0401	Intent Code: 21	Program Code: 654
Credits: 3		
Total Contact Hrs Per Qtr.: 33		
Lecture Hrs: 33	Lab Hrs:	Other Hrs:
Distribution Designation:)		

COURSE DESCRIPTION (as it will appear in the catalog)
This course addresses the functionality of simulation equipment while focusing on equipment management and error prevention. Course topics include resource management, utility testing, and targeted assessment strategies. Student must pass this course with a minimum 2.0 grade in order to be applied to degree completion. (Formerly-Basic Simulation Maintenance)

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. Classify Simulation Equipment using the Laerdal, CAE, and Gaumard cataloging system.
2. Identify the equipment needed to maintain, run, and troubleshoot Simulation equipment.
3. Test the utility of the Simulation equipment through system diagnostics.
4. Utilize proper cleaning techniques and materials when maintaining Simulation Equipment.
5. Access and operate within the Virtual Simulation Network

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. Review the structure and parts that make up Simulators
2. Identify the equipment needed to maintain, run, and troubleshoot Simulation equipment
3. Classify equipment by serial number, IP Address, and Simulation Function
4. Manually connect Simulation Equipment to corresponding servers and IP addresses
5. Address compressor leakage errors

6. Differentiate between the kinds of fluids that should be used in conjunction with different aspects of Simulation equipment
7. Access the Virtual Simulation Network in order to gain basic contact with the virtual system

DEPARTMENTAL GUIDELINES *(optional)*

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DIVISION CHAIR APPROVAL   **DATE**