



### Integrating Quality & Safety Education For Nurses Competencies In An Undergraduate Clinical Simulation Experience

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#### INTRODUCTION

Thoughtful planning and knowledge of educational principles, learning strategies and best practices are vital in designing an effective simulation clinical experience for undergraduate nursing students



The following best practice resources were used to design and implement the simulation clinical experience for Junior II level undergraduate nursing students in the Adult Health I course:

- The Quality & Safety Education for Nurses (QSEN) Competencies
- The American Association of Colleges of Nursing (AACN) The Essentials of Baccalaureate Education for Professional Nursing Practice (2008)
- The International Nursing Association for Clinical Simulation and Learning (INACSL) Standards (2016)

#### PURPOSE

To create a simulation clinical experience incorporating the clinical objectives of the NURS 3035 Adult Health I Course:

- Apply therapeutic nursing interventions safely and professionally
- Utilize the teaching learning process in the management of acute health problems
- Demonstrate critical thinking in management of acute health problems
- Demonstrate proficiency and safety in calculating and administering medications

#### METHODS

- The educational innovation of designing and implementing a 40 hours clinical simulation experience was completed by two faculty members in the Adult Health I course
- A clinical group of ten students with the oversight of two faculty completed four weeks of a ten hour simulation clinical day providing comprehensive care to one patient
- Each week, five students functioned as the morning shift nurse and the other five students were the respective patients. In the afternoon, the students switched roles and the morning shift nurse became the afternoon patient and the morning shift patient assumed the role of the nurse.

#### RESULTS

- From Fall 2015 – Spring 2017, eighty students have completed the hybrid clinical experience consisting of 40 hours of the clinical simulation experience and 40 hours of the traditional hospital clinical experience to comprise the 90 hours clinical requirement
- Clinical assignments and student performance evaluations as well as student and faculty feedback were used in the evaluation process
- Students report increased confidence and critical thinking skills from the simulation experience

#### CONCLUSIONS

- Simulation is an effective strategy for clinical learning with positive feedback from the student and faculty perspectives
- Current research using a mixed method triangulation design is being conducted to validate findings using quantitative and qualitative data sources to explore the undergraduate nursing students' perceptions of simulation and hospital clinical experiences