

Fund for Innovative Teaching Grant, 2016-2017

FINAL REPORT

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To: Office of the Provost and Vice-President, Academic

Title of Project: Interprofessional Education within the School of Health Studies

Learning Activities Planned and Undertaken:

The learning activities planned and undertaken during this project included the development and use of three separate experiential learning activities. All three learning activities were developed to enhance our Bachelor of Science in Nursing (BSN), Practical Nursing (PN) and Health Care Assistant (HCA) students' interprofessional communication and collaboration skills as well as to gain a greater awareness of their own and others roles within the health care team. Our first learning activity was a video depicting a realistic interaction between a HCA, a licenced practical nursing (LPN) and a registered nursing (RN) in the acute care clinical setting. The students in the BSN and HCA programs watched this video independently in a class focused on collaborating as part of the health care team. We also developed a simulation learning experience in which the HCA, PN and BSN students used avatars to interact with each other and a patient in the virtual environment. Finally, the HCA, PN and BSN students engaged in a learning experience using human patient simulation mannequins. These mannequins have many realistic components and replicate the clinical setting. Each learning activity centered on safely caring for an elderly patient who had experienced elder abuse. The students needed to collaborate and work as a team in order to determine that the patient was a risk for being discharged into an unsafe home environment.

Individuals involved in the delivery of the planned project activities and outcomes.

- BSN faculty - Dawna Williams, Pamela Causton and Lee-Anne Stephen developed and supported the implementation of all teaching strategies
- PN faculty - Debbie Jobb supported the debriefing of the virtual and human patient simulation experiences
- HCA faculty – Katie Baird supported the debriefing of the virtual and human patient simulation scenarios, Cecilia Grant supported the debriefing of the video and human patient simulation and Gianina Bocsanu supported the debriefing of the virtual simulation scenario.
- Arlene Hayley – helped with the equipment setup of the human patient simulation experience.
- Film crew and actors and an HCA alumnus supported the development of the video

Description of the degree to which the significant goals and/or objectives of the proposal were achieved.

The project objectives were to:

1. Develop three innovative and interactive interprofessional teaching/learning activities.
2. Implement the interprofessional teaching/learning activities with BSN, PN and HCA students.
3. Assess for student interprofessional knowledge acquisition.
4. Compare and contrast developed teaching/learning activities to determine which activity is most effective for student learning.
5. Disseminate research findings during UFV PD days and at National and International nursing conferences.

Objective #1 & 2 - Were completed successfully. The video has been used by and incorporated into the BSN and HCA curriculums. We learned valuable lessons from the virtual simulation experience which will influence our understanding of what types of content virtual reality programs might be most effectively used for. Our human patient mannequin scenario was successful and will be used in all three programs in the future.

Objective #3 - We developed a survey based on the National Interprofessional Competency Framework to assess the students' knowledge acquisition of role awareness and collaboration within a health care team. We have started to theme this data and have tentatively found that this learning experience did support an increase in role awareness and the importance of collaboration for patient safety. This was apparent in all three learning activities.

Objective #4 – We are currently in the process of analyzing our data. We have analyzed the virtual simulation and human patient simulation and are well into the analysis of the video data. We are noticing some subtle differences between the three teaching strategies and plan to have this final comparison completed by the end of 2020.

Objective #5 - We have disseminated the findings of our virtual simulation learning experience by presenting at the Western Canada Health Science Educators conference in May 2018. We have a draft manuscript of the virtual learning experience which we plan to submit for publication in the fall of 2019. In the spring/summer of 2020, we plan to present our comparison of the virtual and human patient simulations at a nursing conference and at the UFV PD day.

Resulting from this project, we are planning to complete a follow up study to assess how these learning activities have supported our students in clinical setting, after they have graduated and entered their specific profession.

FIT process

We felt that the application was easy to understand and complete. Accessing our funds simple and straightforward and the funds were released in a reasonable time. The website was helpful and the inclusion of projects by other fund recipients should help future applicants with the process.