Project Title: The Use of Augmented Reality Photospheres in the College of Nursing to Decrease Student Anxiety.

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Abstract:

Nursing educators in 2016 face many challenges. Faculty shortages and a limited number of clinical sites call for an increase in faculty efficiency to optimize time spent with students in the clinical setting. In addition, creative approaches in clinical teaching are required for a new generation of learners that is technologically savvy and accustomed to immediate feedback. The use of Augmented Reality (AR) technology may hold promise in meeting these challenges. Photospheres constitute a type of AR application that creates a 360-degree panoramic image allowing the user to view the surrounding environment in all directions as if they are actually in that setting. A study by Garret, Jackson, & Wilson, (2015) proposed that AR resources would be useful in clinical education, particularly for orientation and skill training. The purpose of this project is to evaluate the efficacy of AR photospheres to prepare undergraduate nursing students for a clinical rotation. The aims are with the use of AR photospheres students will increase their opportunities to interact in a clinical environment before actually being at the clinical site, to decrease student anxiety and to decrease student and faculty time spent orienting to a new clinical environment compared to when AR photospheres are not used.