

New elective offering! University of Northern Colorado



Offered: Spring 2020 and Summer 2020

Course Number/Title: N679 Technology in Healthcare Education

Credits: 3

Faculty: Jeanette McNeill, DrPH, RN, CNE ANEF

Professor of Nursing, Jeanette.mcneill@unco.edu

Course Description: The course is designed for graduate students who will function in a healthcare educator role. Use of virtual, distance/online, simulation and emerging technologies, in education of healthcare professionals will be examined.

Course Overview. Graduate nursing and other health profession students who plan to function in educational and leadership roles, either in clinical service or in educational programs, will benefit from the specific focus on the use of technology in the educational process. Using educator competency as a framework, students will explore the evidence, opportunities, and challenges related specifically to the use of technology in health professional education. Technology in education will be broadly defined to include not only computer and technology applications, such as educational modalities providing electronically mediated learning, but also the supportive role of technology in simulation and distance education. Virtual, distance/online, simulation and emerging approaches will be discussed and experienced in the course. Students will explore the evidence for using technology in education, prepare an online learning module, and complete virtual and simulation activities as course assignments.

Course Objectives:

1. Explore evidence based approaches to facilitating learning through use of technology.
2. Examine ways to facilitate development and socialization in diverse learner populations through electronically mediated learning, such as simulation, virtual and online learning environments.
3. Design learning modules using multimedia approaches and technology for use in online and virtual learning environments.
4. Develop evaluation strategies for assessing learning outcomes specifically related to the use of simulation and virtual reality approaches.
5. Explore the research and funding implications for technological approaches to health professional education and education activities in health care settings.
6. Discuss the educator role of change agent as it relates to optimal utilization of technological approaches in education.

Teaching Strategies:

Presentations on Canvas using both asynchronous discussion and synchronous activities (ZOOM), individual and group assignments, literature reviews regarding evidence based strategies, blogging and sharing of application (APP) examples, creation/use of at least two multimedia strategies, participation in virtual reality experiences.

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