



May 04 2020

Peer Evaluation of your Teaching Effectiveness in NUR1059

Dear Dr. Conway

Thank you for the opportunity to provide a peer evaluation of your teaching effectiveness. This evaluation relates to the guest workshop you delivered about data analysis and visualization in the Winter of 2020 for **NUR1059 - Informatics and Technology**.

The ability to think and compute with data has become an important skill for students in many fields. I was very pleased to be able to work with you to provide students in the MN program with an introduction to these skills as part of the NUR1059 curriculum. I had access to all the course materials you developed and was present during the workshops you led in a synchronous online classroom environment. My evaluation is based on my review of the materials and resources you developed for the course as well as direct observation of your teaching techniques and interaction with students in the online classroom environment with 20 students (6 hours contact time).

1. Instructional materials and resources utilized

Your instructional materials and resources were highly organized, clearly presented and easily accessible for students. The instructional materials you developed comprised a webpage containing information about what students were required to do to prepare for the workshops, a detailed summary of the dataset that was to be used throughout the workshop and in their linked assessment for the course, copies of the slides and interactive exercises that you developed to support student learning and links to additional resources that students could access. Upon completion of your instruction using these materials, students had produced a series of univariate and multivariate visualizations on a real dataset and practiced describing them.

2. Facilitation and instruction

Your instruction over the two weeks, totalling **6 hours** of contact time, was delivered with confidence, creativity and credibility. Your expertise in the content matter was clear. Your teaching style was relaxed, engaging, and professional. The lecture content was structured in a

way that facilitated student learning of the concepts and practical skills required for them to independently undertake data analysis and create data visualizations for one of their course assessments. I noted that you purposefully introduced concepts using traditional didactic instructional approaches supported by visual resources, but then reinforced learning by creating interactive exercises for students to complete during the class. This was an effective way to facilitate learning of the new concepts that were introduced.

3. Technology for teaching and learning

I was impressed with your use of technology to support student learning. I note that the initial plan for teaching this content involved face-to-face instruction in a classroom environment. In response to the University-wide switch to online teaching due to COVID-19 restrictions, you swiftly identified a feasible approach to support a highly interactive virtual solution for teaching data visualization, which was highly successful. The RStudio Cloud computing environment that you organized allowed you to manually assist students with the interactive exercises that you developed if required, which, in my opinion, was vital considering the students' educational preparation in relation to the content. Undertaking data analysis and creating visualizations to provide insights into clinical problems was a completely unfamiliar experience to many/most of the students enrolled in the course. You were able to demonstrate the practical skill-set required to effectively perform these activities. Informal feedback received from students indicated that this instruction prepared them to undertake the linked assessment for the course, which involved independent analysis of the real-world dataset you curated and provided as part of the instructional materials.

Overall summary:

In summary, you provided excellent instruction to students about complex concepts and techniques. With the exponential interest in applied data science, including in healthcare broadly and the nursing discipline specifically, it is now more important than ever to equip our students with skills to enable analysis of real-world data, to expose students to the excitement and potential gains from expert analysis of data, and to provide examples of how insights can be extracted from data. I enjoyed your content and believe you delivered this content in an engaging way which contributed to student learning in this area.

Sincerely

A handwritten signature in blue ink, appearing to read 'Charlene Chu', is displayed within a light pink rectangular box.

Charlene Chu, RN, GNC(c), PhD

Assistant Professor
Lawrence S. Bloomberg Faculty of Nursing
University of Toronto
Health Sciences Building | 155 College Street Suite 130
Toronto, ON, Canada. M5T 1P8
Office tele: 416-946-0217

Cross-appointed, Institute for Life Course and Aging
University of Toronto

Affiliate Scientist
KITE-Toronto Rehabilitation Institute, University Health Network, Toronto, ON M5G 2A2

Chair, Nursing Research Interest Group
Registered Nurses Association of Ontario

