

Re-envisioning Human Kinetics: Empowering future health and exercise professionals through skills-based competency curriculum and enhanced experiential learning opportunities

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Purpose & Background

To re-design the undergraduate curriculum within the School of Health and Exercise Sciences.

Currently, 4 of 5 Canadians are at risk of developing a chronic condition and over 150,000 Canadians die from a preventable chronic disease each year. The direct economic costs of treating chronic disease is over \$100 billion annually.

Exercise is a modifiable risk factor for a multitude of chronic health conditions (e.g., diabetes, heart disease). Thus, there is a critical need for competently trained professionals in primary and secondary prevention via exercise and physical activity.

Provincial and national organizations continue to advocate for increased competency-based curriculum that better prepares graduates to work within the healthcare system to prevent and treat chronic conditions.

Timeline of Project & Funding: 2020-2023



Specific Project Goals

Senate and Ministry approval of curriculum revisions including change to credential name and modification of degree concentrations.

Revised curriculum map to improve mapping of course learning outcomes to concentration and program learning outcomes.

Development of 2 community practicums:

- Community Practicum (6cr–180hrs)
- Adv. Community Practicum (15cr–500 hrs)

Building of skills-based competency assessment protocols.

Establishment of new student placement agreements with community partners and strengthen current community partnerships that support best practices within their professions.

Development of an Indigenous Health course requirement.

Integration of standardized patients into lab-based courses to enhance development and transferability of learning.

Activities & Accomplishments

Ministry approval for the revisions.

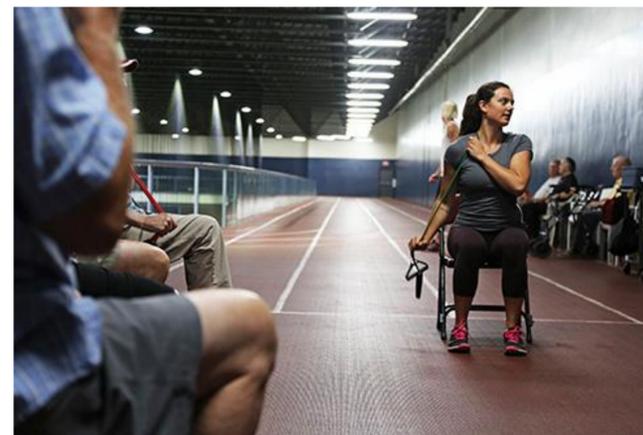
Identification of program level outcomes and three working groups have been established to map course learning outcomes to the program learning outcomes for three concentrations.

Collaboration with Interior Health to bring Kinesiologists into the healthcare system as Allied Health Professionals.

Successful in recruiting new faculty members with expertise in competency-based learning and assessment and EDI.

Initial identification of key community partners with whom students will engage as part of their practicum experiences.

Development of new space in UBC's downtown building with a focus on community engagement.



Lessons Learned

Identify campus partners and supports early in the process.

Engage students throughout the process.

Change is hard so find a balance of developing new as a focus and keep the main core as consistent as possible.

Bring in resources early to help with development (e.g., new hires).

Build off current resources and learning outcomes or competencies of the discipline related professional organizations.

References

Raymond, et al., (2016). *Determination of clinical competencies for exercise physiology students*. From: Research To Practice 2016, 14-16 April 2016, Melbourne, VIC, Australia.

Dixon, D & Johnston, M. (2010) *Health Behavior Change Competency Framework: Competencies to deliver interventions to change lifestyle behaviors that affect health*. NHS Health Scotland.

Transitional Council of the College of Kinesiologists of Ontario. *Kinesiologist Core Competency Profile*. Toronto, Canada: College of Kinesiologists of Ontario.

Canadian Society for Exercise Physiology (CSEP). *CSEP-PATH® Resource Manual Second Edition*. Ottawa, Canada: Canadian Society for Exercise Physiology, 2019.

Acknowledgements

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