Notice of the Final Oral Examination for the Degree of Master of Arts of

JOHN FAGAN

BA (University of Victoria, 2006)

“New Graduate Experiences of Learning Ethics and Equity in the UVic Undergraduate Engineering Program”

Department of Curriculum and Instruction

April 17, 2019
2:00pm
MacLaurin Building
Room A341

Supervisory Committee:
Dr. Kathy Sanford, Department of Curriculum and Instruction, University of Victoria (Supervisor)
Dr. Tim Hopper, Department of Curriculum and Instruction, UVic (Member)

External Examiner:
Dr. Caterina Valeo, Department of Mechanical Engineering, UVic

Chair of Oral Examination:
Dr. Daler Rakhmatov, Department of Electrical Engineering, UVic

Dr. David Capson, Dean, Faculty of Graduate Studies
Abstract

This study listens to the contributions of recent graduates from the University of Victoria’s Bachelor of Engineering Program, hearing their understanding of ethics and equity, and how they experienced learning this in the program. This is done with consideration of how their understanding and experiences might inform curricular and pedagogical improvements in the experience of learning ethics and equity. Using a case study of these participants and their experiences at the University of Victoria, this research takes into account the context of engineering education accreditation standards and the current state of the curriculum that the participants completed. The findings suggest that participants have a superficial understanding of what ethics and equity means, both personally and professionally. Participants also found it difficult to recall learning occasions for ethics and equity. Recommendations are made for curricular reform, taking an integrated and across the discipline approach to teaching ethics and equity to undergraduate engineers.