Learning and Teaching Framework grant recipients 2018/19

Alex Hebert, Manager, SoCE

Project: Factor Four Energy and Living Lab

The purpose of the Factor Four initiative is to explore whether a fourfold (75%) reduction energy use can be achieved. The Factor Four living lab, approach uses innovative technologies with techniques and allows students to practice real world skills as they study, and experience learning outside the classroom, assuring employment prospects. Builds on previous LTF grant.
Covers 2 components: 1. Summarizing work completed so far. 2. Interviewing 2-3 users to document their experiences.

Michal Aibin, Aaron Hunter

Instructors, Computin g, SoCAS
Project: Flip-blended classroom research

In their previous LTF grant Aibin and Hunter conducted research on a CIT and CST ISSP project course delivery in SoCAS. They gathered data about the differences between flip-blended delivery and the traditional delivery for project courses. A paper was submitted based on this work. This grant will cover follow up research with an extended paper and a framework for good practices in delivering industry project courses across BCIT.

Julian de la Campa

Instructor, ISEP
Project: ISEP On-line Pronunciation Project

Create and make a pronunciation resource available to all ISEP instructors, to allow all instructors to be prepared and skilled to teach pronunciation.
Plan and write scripts for two of five modules, these being consonants and vowels and a draft teacher's guide. Create one video for consonants and one for vowels.

Eric Saczuk,

Instructor, Geomatics Engineering, SoCE
Project: UAS & Multi-spectral sensors

This collaborative multi-disciplinary research based project aims to investigate non-traditional uses of Parrot-Sequoia multi-spectral camera mounted on a drone. Parrot Inc., and the Ecological Restoration Program have expressed an interest in partnering with Geomatics.

Barry Pointon

Instructor, Physics/Nuclear Medicine, SoHS/SoCAS
Project: Exploring Nuclear Medicine Imaging Physics and Principles In-Class, Using a Computer Based Imaging Simulator (ImSim).

Create computer simulations to improve student success and evaluate their effectiveness and make iterative improvements.

Naveen Jit

Instructor, Automotive, SoT
Project: Connected Learning (Phase 2)

To draw from ideas generated at a March 2018 seminar and expand this idea to others at BCIT.
Will work with Liz Padilla, Institute Repository Co-ordinator in the Library on this project.

Bonnie Johnston, IDC, LTC

Project: Developing & Validating a Typology of BCIT On-line Course Business Models

To create a typology of tried and true models that are in place in order to share with the institute and inform better future decision making. Such a typology will inform the design and development of on-line courses that are suited to how instructors facilitate their course with the goal of optimizing the sustainability of the courses in terms of faculty and student workloads. Such a typology will assist the LTC in targeting appropriate support needed by instructors.

Erin Friesen, Program Head, Food Technology, SoHS; Rebecca Robertson, Research Associate – Food, NRG, CARI, Hong Sy Research Analyst, NRG, CARI
Project: BC Food Industry Learning Needs
Conduct a review of food training courses offered to the food industry in both Canada and the US.

Amir Amintabar, Carly Orr
Instructors, CST, CoCAS
Project: Practical Team Member Evaluation (Phase 2)

Create a web based application that will allow both the students to enter ratings for team members on-line and allow instructors to access that data and scale factors easily.

Connie Evans
Collaborative Practice Co-ordinator, SoHS
Project: Strategies to influence an inter-professional culture in the SoHS.

Inter-professional education requires faculty to learn a new skills set and to collaborate with other instructors from different programs. Just in time lunch and learn workshops will encourage sharing and face to face opportunities to learn more about each other, their program and what inter-professional education is all about.

Kristy Barclay-Estrup
Instructor, Communications, SoCAS
Project: Using DragonSpeak voice recognition software-applications for marking, teaching, generating documentation.

To test and train Dragon Individual Professional to achieve maximum accuracy as well as skill development with voice tools for students that may be neuro-diverse, have physical injuries or impairments.

Lin Brander, Open Education Librarian, Library; Rosario Passos, IDC, LTC
Project: BCIT, Open Education Working Group
Partnering with BC Campus on funding, build Pressbooks expertise at BCIT, delivery a series of workshops, and increase open education awareness through outreach, open education events, create a portable wall of fame and other promotional materials).