

INSTRUCTIONAL ENHANCEMENT GRANT RECIPIENTS 2018/19

Sandra Merchant – Mathematics, SoCAS,

Project: On-line Problems for Discrete Math

The goal of this project is to develop a comprehensive bank of on-line problem for discrete mathematics. This project will involve consultation with other members of the Math department who have experience with our discrete math courses. Sample problems from other instructors for conversion into dynamic on-line problems will be obtained.

Holly Munn, Business Communications, SoCAS

Project: Instructor's Graphic Toolkit and communications Support

Develop an instructional graphic toolkit that supports PTS/FTS instructors in the delivery of their course and course material. Toolkit will provide templates that are clear, professional in-line with both BCIT preferred BOPPPS model and external branding. Will include template for PP, handouts and exams.

Kim Nishimura, Mathematics, SoCAS

Project: Designing collaborative simulation projects for engineering students

To develop all required resources for a term end project which will be assigned to students in the spring term as part of the Uncertainty in Civil Engineering course CIVL 7011.

Barry Pointon, Instructor, Physics/Nuclear Medicine, SoCAS/SoHS

Project: Exploring Nuclear Medicine Imaging Physics and Principles at Home Using Computer Based Imaging Simulator (ImSim)

Determine the best way to deploy ImSim for students to access themselves, including compiling for Windows/Apple computers or other web-based applications. Create assignments, use assignments for PHYS 4272 in Winter/Spring 2019.

Philip Wong, Instructor, Anatomy and Physiology, SoCAS

Project: Development of image based case studies to augment and enhance teaching and learning of human pathology for medically oriented programs at BCIT.

To develop a series of ten BCIT owned pathology case studies featuring their own series of annotated MRI image slides that visualize a specific pathology of the body. Programs that would benefit from this learning resource include: MedRad, Nuclear Medicine, Radiation Therapy, Sonography, P&O and Nursing.

Eric Saczuk, Instructor, Geomatics Engineering, SoCE

Project: Campus Mapping Using unmanned Aerial Systems: A Pilot Study

To produce 3-D maps of SE1, SE10 and Guichon Creek on campus using UAV and advanced sensors to provide Facilities and Campus development with accurate, relevant and Timely geo-spatial data.