Project Title: On-line Homework System for Undergraduate Statistics Courses

Project Summary *(150 words maximum):*

The proposal incorporates the continued development and implementation of the WeBWorK on-line homework system in undergraduate courses, and the means by which this web application can be publicized to a wider community. The database of questions that have been created for STAT 200, 241/251, 300, 302, and 305 will be extended, and incorporate resources for use in other courses such at SPPH 400. The R statistical software package has been successfully integrated into WeBWorK, though this requires further refinement and testing to increase functionality and robustness.

Workshops to train potential users will be offered both at UBC and at the Statistical Society of Canada's annual conference in 2014, the largest gathering of statisticians in the country. The fruits of the project will also be presented at ICOTS9 in 2014, this being the major conference in statistical education. Resources will be provided to support users, including on-line guides.