STLF Report to CWSEI and Mathematics Department

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Specific activities performed by STLF

1) Professional development
   • Attended several weekly STLF meetings.
   • Attended several weekly Reading Group meetings.

2) Department meetings/activity
   • From May 7th till July 27 2012 I have been teaching a course: Math220 - Introduction to proof. At present, marking the final exam and grade reports are in progress. Teaching took most of the time, so work on the remaining projects was slowed down.
   • Wrote summary of the Math 220 workshop project and of Math230 Math for Elementary Education Teachers project for the Departmental newsletter.

3) MATH SEI general meetings/activity
   • Meeting with other Math STLFs (June 27)

4) Course-specific meetings/activities
   Math 230/335 – Finite mathematics course (Math for future elementary school teachers)
   • At present I am finishing a Math230/335 package to be given to the Math Department as a resource. The list of topics was approved by both instructors who have been involved with the course. A compilation of interviews has been put in document form. A list of problems and some solutions to be used in labs, workshop, and homework has been put together.
   • I have held a series of meetings with Dr Klaus Hoeschmann, Professor Emeritus at the UBC Department of Mathematics, reviewing Math230/335 course as was taught at UBC in the past. The course was remarkable and highly interactive in nature; it would be very useful to reconstruct at least part of the activities that were used.

Math 220 – Introduction to proof
   • I taught Math220 course - Introduction to Proof - May 7th 2012 till July 27 2012. I would like to thank Sandi Merchant for being STLF for the course, helping run workshops, conducting surveys, and running diagnostic tests.
   • The course structure: a workshop on previously covered material replaced every fourth lecture. Homework was due at the start of workshop, so students came prepared. Attendance on workshop days was higher than on regular days. A quiz ran at the end of a workshop session.
   • Grades have not been computed yet, so no statistics is available at present.
Current Project Status (material prepared STLF and/or other members of MATH SEI group)

Math 220 – Introduction to proof

Learning Goals: personalized (shortened) version of learning goals has been used in the course. We ran a survey to see how many people used learning goals to study for midterms: 20 people reported using them.

Assessments:
- None new.

New Methods/Materials:
- None new.

Math 230/335 – Finite Mathematics

Learning Goals:

Assessments:
- Diagnostic test has been reviewed, following comments of Dr Klaus Hoeschmann.

New Methods/Materials:
- Elementary math circle problems have been added to the list of problems for the course.

Plan for immediate future work

Math 220 – Introduction to Proof
- finish teaching activities for the summer section of Math220.
- organize materials for Departmental use

Math 230 / Math 335 – Finite Mathematics
- Finish the Math230 package
- Contact SFU for feedback; give a copy of project materials to SFU.