Mathematics Discipline Meeting
Wednesday, April 27, 2016
Minutes

Present: Clayton Akatsuka, Jean Okumura, Navtej (Johnny) Singh, Jody Storm, Kevin Takayama

The meeting was called to order at 2:37 pm in the Mana’opono Room 113.

1. The minutes of the April 20, 2016 meeting were approved as corrected.

2. Consequences of Allowing a Prerequisite Override

Jody spoke to Geri Imai right before a meeting and so the information was still not clear. Jody will speak to Geri Imai again to get clarification and to provide different scenarios to help clarify the situation and she will report at the next meeting.

3. System-wide Math Professional Development – April 22 at Kapiolani CC

- Jean attended the meeting and found it worthwhile to attend.
- Philosophy was discussed for Math 75/75X.
- Percent talk was shared as one way to develop some number sense.
- Jean shared all the electronic copies of PowerPoint presentations that she received.
- Future plans include meeting in late June (24/25) or early August (8/9) on Kauai, meeting the last Friday of September on Maui, meeting just before or just after Thanksgiving, and meeting in the spring sometime after spring break.
- Mary Ann Esteban who has used the “Math in Action” in Math 81 (a 6 credit course) shared that it takes a while to get comfortable with this type of book. Students are expected to write in complete sentences so Ch 1 is used to set the expectation. She gave weekly module tests in addition to exams.
- Jean will try to get electronic copies of what Mary Ann gave regarding Math 81.
- For our Math 75X, we will expect students to write in complete sentences as well. For homework or in-class work, there should be no penalty for incomplete sentences but instructors must provide feedback. However, for exams, where word problems are concerned, they need to write complete sentences just like our current students are expected to do.

4. Course Level Assessments

- We did not really decide of a benchmark, previously. It was decided that the benchmark we will use is 70%.

- Math 25
  - All SLOs were assessed.
  - 75% of students were able to understand the ideas and concepts introduced in class for six of the eight course SLOs. (41/54 students)
  - Suggested changes:
    - Increase in-class discussions and activities.
    - Revise content of assignments/activities.
    - Revise activities leading up to and/or supporting assignments/activities.
Math 140

➤ One SLO was assessed - Use appropriate symbolic techniques to analyze and solve application problems requiring the use of trigonometry and analytical geometry and in the critical evaluation of evidence.
➤ 65% met or exceeded expectations (13/20 students)
➤ Suggested changes:
  ✤ Revise activities leading up to and/or supporting assignment/activities
  ✤ State goals or objectives of assignment/activity more explicitly.
  ✤ Use methods of questioning that encourage the competency measured
  ✤ Increase in-class discussions and activities.
  ✤ Increase guidance for students as they work on assignments
  ✤ Increase student collaboration and/or peer review.

Math 231

➤ One SLO was assessed - Use various strategies from this course to solve problems.
➤ 71% met or exceeded expectations (5/7 students)
➤ Suggested changes:
  ✤ Revise activities leading up to and/or supporting assignments/activities.
  ✤ Increase in-class discussions and activities.
  ✤ Increase guidance for students as they work on assignments.
  ✤ Increase student collaboration and/or peer review.

Math 232

➤ One SLO was assessed - Use multiple integrals or vector calculus techniques to solve application and/or theoretical problems.
➤ 83% met or exceeded expectations (10/12 students)
➤ Assessment indicates that no improvement necessary; however the analysis includes what worked.

5. Other Business

➤ Any supplies needed? Please let Jean know right away.

➤ Math Center
  ✤ We need the Math Center to handle the developmental students who will need help in this new accelerated model.
  ✤ The current Math Lab in the Library is too small to handle large numbers of students to assist.
  ✤ Charles has indicated to Clayton that he has some money for summer but we actually need the help in fall 2016 and beyond. Clayton will express the need for funding in the academic year for support in the Math Center.

➤ Bulletin Boards in Boxes in room 107
  ✤ Johnny asked to let him know which boards go where and he will try to talk to the VCAS about getting the task done.

6. The meeting was adjourned at 4:08 pm. (Minutes by J. Okumura)