Course Number/Title __Math 12 Number Systems__ GE Area __B4 Mathematics_______________________

Results reported for AY __2016‐2017__________   # of sections _4_____ # of instructors __1___________

Course Coordinator: __Cheryl Roddick________________ E‐mail: __cheryl.roddick@sjsu.edu_____________

Department Chair: __Dr. Bem Cayco_  College: __Science________________

**Instructions:** Each year, the department will prepare a brief (two page maximum) report that documents the assessment of the course during the year. This report will be **electronically submitted**, by the department chair, to the Office of Undergraduate Studies, with an electronic copy to the home college by September 1 of the following academic year.

**Part 1**

To be completed by the course coordinator:

1. **What SLO(s) were assessed for the course during the AY?**

   SLO 2: Mathematical concepts courses should prepare the student to demonstrate the ability to use mathematics to solve real life problems.

2. **What were the results of the assessment of this course? What were the lessons learned from the assessment?**

   Students were assessed on SLO 2 by common exam questions embedded into the final exam. The following problems are representative of the types of assignments used to estimate mastery of SLO 2:

   1. Greg plants 2/5 of his garden in potatoes and 1/3 in carrots. What fraction of the garden remains for his other crops?

   2. Planets A, B, and C orbit a certain star once every 8, 9 and 12 months, respectively. If the three planets are now in the same straight line, what is the smallest number of months that must pass before they line up again?

**Results of Assessment**

The mean score for question 1 was 85%. We found that 79% of the students tested received a C or better on this test item. The mean score for question 2 was 78%. We found that 73% of the students tested received a C or better on this test item. These results are consistent with anticipated results for the first course in the sequence of mathematics for elementary teachers. The goal over the three semesters is to deepen content knowledge, as well as to develop mathematical maturity, and these efforts are continuous throughout the three courses.
Part 2

To be completed by the department chair (with input from course coordinator as appropriate):

(3) Are all sections of the course still aligned with the area Goals, Student Learning Objectives (SLOs), Content, Support, and Assessment? If they are not, what actions are planned?

Yes, all sections of the course are still aligned with the area B4 requirements.

(4) If this course is in a GE Area with a stated enrollment limit (Areas A1, A2, A3, C2, D1, R, S, V, & Z), please indicate how oral presentations will be evaluated with larger sections (Area A1), or how practice and revisions in writing will be addressed with larger sections, particularly how students are receiving thorough feedback on the writing which accounts for the minimum word count in this GE category (Areas A2, A3, C2, D1, R, S, V, & Z) and, for the writing intensive courses (A2, A3, and Z), documentation that the students are meeting the GE SLOs for writing.

This does not apply to Math 12 in Area B4.