Course SLO of Record*Complete and submit to Division Dean and Office of Instruction*

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| **Course Name and Number**: Math 265 – LINEAR ALGEBRA | **Date** October 21, 2013 |
| X Modification of Existing SLOs | ☐New Course  |
| **Lead Faculty approval to write or rewrite** **SLOs:\_\_\_\_\_\_\_\_\_\_\_\_**  |  |

 *Please Initial*

1. **Existing Course SLOs of Record** **to be rewritten (if applicable):**
* Students will demonstrate their ability to solve systems of linear equations with many unknowns by employing various methods including Gauss-Jordan elimination and row reduction by correctly applying concepts of matrices and determinants.
* Students will demonstrate their ability to solve n-dimensional applications by using concepts of vector spaces, subspaces, linear combinations, eigenvalues, eigenvectors, and the translation of English phrases into mathematical symbols to formulate and solve representative models.
1. **Rationale for writing or rewriting SLOs** *(Note: Changes to SLOs should be substantive. It is recommended that only after several semesters of data collection and a full assessment of the Course should SLOs be changed:.*

The new SLO better is a better representation of course content and will provide easier reporting with new form.

1. **New Course SLOs:**
* Students will demonstrate the ability to solve systems of linear equations using Gauss-Jordan elimination and row reduction.
* Students will demonstrate understanding of vector spaces, inner product spaces and their applications.
* Students will demonstrate understanding of linear transformations and their applications.
* Students will demonstrate the ability to evaluate and determine eigenvalues and eigenvectors.

**Course SLOs of Record**

**Course Name and Number**: Math 265 – LINEAR ALGEBRA

**Effective Date of SLOs:** FALL 2013 *(Semester and Year)*

**List all currently adopted Course SLOs of Record (include all SLOs for course):**

**Date SLOs adopted by Department:** October 11, 2013 – Mathematics Department SLOberfest*(attach evidence of adoption, meeting minute,; e-mail string)***List of faculty who participated in development of these SLOs:**

Dr. Jeremiah Gilbert, Dr. Stephanie Briggs, Dr. Vicente Alvarez, Dr. Victoria Anemelu, Kristin Dillard, Dr. Zadock Reid, Lori Blecka, Dr. Teri Strong, Ann Gibbons, Yvonne Beebe, Keith Lee, Dr. Abeir Israeil, Moustafa Kanawati, David Smith, and Michael Mayne.

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**Submitted By**