Course Outcomes Guide (COG)

Course Title: MAT 114 – Applied Algebra

Date: September 2011

Course Team: Jennifer Szczesniak

Expected Learning Outcomes

1. Develop improved arithmetic skills.
2. Develop improved algebraic skills.
3. Use algebra to solve application problems.
4. Develop mathematical models for real-world data and problems.
5. Solve problems by working constructively in a group setting.
6. Use technology as a tool in the problem-solving process.
7. Use proper terminology and units to communicate results.

Assessment (How do or will students demonstrate achievement of each outcome? Please attach a copy of your assessment electronically.)

- Outcomes 1 and 2 will be assessed using a pre-post test.
- Outcomes 1, 2, 3, 6, and 7 will be assessed using a common portion of the final exam.

Validation (What methods have you used or will you use to validate your assessment?)

- I am not sure how to validate the assessment tools.

Results (What do your assessment data show? If you have not yet assessed student achievement of your learning outcomes, when is assessment planned?)

- This is the first semester that the course has run, so there is no data available.

Follow-up (How have you used or how will you use the data to improve student learning?)

- This is the first semester that the course has run, so follow-up is impossible.

Budget Justification (What resources are necessary to improve student learning?)