



Student Learning Outcome Assessment Plan

Department: Mathematics

Degree Program: BA-Middle Level Mathematics Teaching

Student Learning Outcome (performance, knowledge, attitudes)	Related CWU Strategic Outcome(s) http://www.cwu.edu/strategic-planning/	Method(s) of Assessment (What is the assessment?)*	Who Assessed (Students from what courses - population)**	When Assessed (term, dates)***	Standard of Mastery/ Criterion of Achievement (How good does performance have to be?)
1. Students will effectively complete mathematical tasks that reflect on the philosophical and pedagogical practices of teaching mathematics in our present culture.	1.1.1 Students will achieve programmatic learning outcomes.	Livetext Portfolio, summative assessments during each class, lesson plans submitted in math 486, 323 and 325 and the professional growth plan.	Math 323 Math 486 Math 325 Dr Oursland,secondary math program director and Dr. Shiver, middle level math program director will review final portfolio at the completion of the program.	Spring of junior year Fall, Winter and Spring of the senior year	Students must successfully demonstrate understanding by completing the assessments at a 73% rate or higher.
2. Students will use and explain concepts from the six mathematical content domains of the Common Core State Standards for middle level mathematics.	1.1.1 Students will achieve programmatic learning outcomes.	Livetext Portfolio, summative assessments during each class especially Math 306 standards review, and the NES test for teacher certification.	Math 306, Math 164, Math 226, Math 216, Math 250, Math 306, Math 170, Math 486, Math 323, Math 325	Throughout the program of study. Primarily during the junior and senior years.	Students must successfully demonstrate understanding by completing the assessments at a 73% rate or higher.
3. Students will use appropriate technology, including manipulatives, to investigate and represent concepts, methods and applications of mathematical concepts.	1.1.1 Students will achieve programmatic learning outcomes.	Livetext Portfolio, summative assessments during each class, and lesson plans submitted in math 486, 323 and 325.	Math 164, Math 226, Math 216, Math 250, Math 486, Math 323, Math 325	Throughout the program of study. Primarily during the junior and senior years.	Students must successfully demonstrate understanding by completing the assessments at a 73% rate or higher.
4. Students will develop productive dispositions toward using principles of mathematical thinking and problem solving to explore, solve, generalize and prove mathematical ideas.	1.1.1 Students will achieve programmatic learning outcomes.	Livetext Portfolio, summative assessments during each class in the program, and the senior exit survey.	Math 164, Math 226, Math 216, Math 250, Math 486, Math 323, Math 325 Dr Oursland,secondary math program director and Dr. Shiver, middle level math program director will review final portfolio	Throughout the program of study. Primarily during the junior and	Students must successfully demonstrate understanding by completing the assessments at a 73% rate or higher.

Student Learning Outcome (performance, knowledge, attitudes)	Related CWU Strategic Outcome(s) http://www.cwu.edu/strategic-planning/	Method(s) of Assessment (What is the assessment?)*	Who Assessed (Students from what courses - population)**	When Assessed (term, dates)***	Standard of Mastery/ Criterion of Achievement (How good does performance have to be?)
			at the completion of the program.	senior years.	

*Method(s) of assessment should include those that are both direct (tests, essays, presentations, projects) and indirect (surveys, interviews) in nature

**Data needs to be collected and differentiated by location (Ellensburg campus vs University Centers) and modality (face-to-face, online)

***Timing of assessment should ideally be at different transition points of program (i.e., admission, mid-point, end-of-program, post-program)

rev. 11/14

Assessment Cycle

Analysis and Interpretation: December
Improvement Actions: Completed by June
Dissemination: Completed by June

Year SLOs	15-16	16-17	17-18	18-19	19-20	20-21
1	X	X	X	X	X	X
2	X	X	X	X	X	X
3	X	X	X	X	X	X
4	X	X	X	X	X	X

Assessment Oversight

Name	Department Affiliation	Email Address	Phone Number
Janet Shiver	Mathematics	shiverj@cwu.edu	509-963-2834