



Student Learning Outcome Assessment Plan

Department: Geological Sciences/Science Education
 Degree Program: BA-Earth Science 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. Demonstrate an ability to individually and collaboratively engage in inquiry and integrate the nature of science.	1.1.1 Students will achieve programmatic learning outcomes.	Science Program major/minor teaching portfolio, WEST-E content assessment, entry to and exit from program survey SCED 324 course portfolio Practicum field observation WA Pedagogy Assessment	All Earth Science Teaching majors, minors, and endorsement students	End of major/minor program, prior to student teaching SCED 324 Student teaching	Minimum requirement is proficiency for this outcome. Teacher candidate must provide suitable evidence and reflect on performance relative to NSES, NSTA, and WA Comp standards. SCED 324 portfolio performance benchmark proficiency All standards met for WA Pedagogy Assessment
2. Explain and apply fundamental Earth Science content concepts, principles, and methods.	1.1.1 Students will achieve programmatic learning outcomes.	Science Program major/minor teaching portfolio, WEST-E content assessment, entry to and exit from program survey SCED 324 course portfolio Practicum field observation WA Pedagogy Assessment	All Earth Science Teaching majors, minors, and endorsement students	End of major/minor program, prior to student teaching SCED 324 Student teaching	Minimum requirement is proficiency for this outcome. Teacher candidate must provide suitable evidence and reflect on performance relative to NSES, NSTA, and WA Comp standards. SCED 324 portfolio performance benchmark proficiency All standards met for WA Pedagogy Assessment
3. Demonstrate an ability to effectively facilitate learning for all students.	1.1.1 Students will achieve programmatic learning outcomes.	Science Program major/minor teaching portfolio, entry to and exit from program survey	All Earth Science Teaching majors, minors, and endorsement students	End of major/minor program, prior to student teaching	Minimum requirement is proficiency for this outcome. Teacher candidate must provide suitable evidence and reflect on performance relative to NSES, NSTA, and WA Comp standards.

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		SCED 324 course portfolio Practicum field observation WA Pedagogy Assessment		SCED 324 Student teaching	SCED 324 portfolio performance benchmark proficiency All standards met for WA Pedagogy Assessment
4. Create safe, effective learning environments that support inquiry, collaboration, intellectual risk-taking, ethical decision-making, and student construction of knowledge	1.1.1 Students will achieve programmatic learning outcomes.	Science Program major/minor teaching portfolio, WEST-E content assessment, entry to and exit from program survey SCED 324 course portfolio Practicum field observation WA Pedagogy Assessment	All Earth Science Teaching majors, minors, and endorsement students	End of major/minor program, prior to student teaching SCED 324 Student teaching	Minimum requirement is proficiency for this outcome. Teacher candidate must provide suitable evidence and reflect on performance relative to NSES, NSTA, and WA Comp standards. SCED 324 portfolio performance benchmark proficiency All standards met for WA Pedagogy Assessment
5. Demonstrate an ability to assess teaching and learning outcomes using multiple methods, effectively evaluate teaching and learning effectiveness, and improve practice based on reflection and data.	1.1.1 Students will achieve programmatic learning outcomes.	Science Program major/minor teaching portfolio, entry to and exit from program survey SCED 324 course portfolio Practicum field observation WA Pedagogy Assessment	All Earth Science Teaching majors, minors, and endorsement students	End of major/minor program, prior to student teaching SCED 324 Student teaching	Minimum requirement is proficiency for this outcome. Teacher candidate must provide suitable evidence and reflect on performance relative to NSES, NSTA, and WA Comp standards. SCED 324 portfolio performance benchmark proficiency All standards met for WA Pedagogy Assessment
6. Demonstrate an ability to make science personally and socially relevant to individual and community by incorporating current events within collaborative and social networks.	1.1.1 Students will achieve programmatic learning outcomes.	Science Program major/minor teaching portfolio, entry to and exit from program survey SCED 324 course portfolio Practicum field observation WA Pedagogy Assessment	All Earth Science Teaching majors, minors, and endorsement students	End of major/minor program, prior to student teaching SCED 324 Student teaching	Minimum requirement is proficiency for this outcome. Teacher candidate must provide suitable evidence and reflect on performance relative to NSES, NSTA, and WA Comp standards. SCED 324 portfolio performance benchmark proficiency All standards met for WA Pedagogy Assessment

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7. Participate in a variety of activities that enhance professional development and improve teaching effectiveness	1.1.1 Students will achieve programmatic learning outcomes.	Science Program major/minor teaching portfolio, entry to and exit from program survey SCED 324 course portfolio Practicum field observation	All Earth Science Teaching majors, minors, and endorsement students	End of major/minor program, prior to student teaching SCED 324 Student teaching	Minimum requirement is proficiency for this outcome. Teacher candidate must provide suitable evidence and reflect on performance relative to NSES, NSTA, and WA Comp standards. SCED 324 portfolio performance benchmark proficiency
8. Demonstrate open-mindedness and curiosity that leads to continuous improvement as a scientist and a teacher.	1.1.1 Students will achieve programmatic learning outcomes.	Science Program major/minor teaching portfolio, entry to and exit from program survey SCED 324 course portfolio Practicum field observation	All Earth Science Teaching majors, minors, and endorsement students	End of major/minor program, prior to student teaching SCED 324 Student teaching	Minimum requirement is proficiency for this outcome. Teacher candidate must provide suitable evidence and reflect on performance relative to NSES, NSTA, and WA Comp standards. SCED 324 portfolio performance benchmark proficiency

*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)

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
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Assessment Oversight

Name	Department Affiliation	Email Address	Phone Number