Assessment: Course Four Column

Courses (EDU) - EDSC

EDSC 463:Teachng Secondary Science

Course Outcomes	*Assessment Measures*	*Results*	*Actions*
Science learning and development - Develop understanding of students' science learning and development through analyzing students' thinking and/or work. **Course Outcome Status:** Active **Next Assessment:** 2021-2022 **Start Date:** 10/13/2017	**Reviewed articles -** Reviews of professional journals and apps/websites. Reviews will focus on science literacy as well as scientific inquiry **Criterion:** All students at 80% or above.	**Reporting Period:** 2016-2017 **Criterion Met:** Yes and No Website/App review: 96% average. One student did not turn in the assignment. All others above 80% Journal Review: All above 80%. 98% average. (10/13/2017)	**Action:** Criterion met (10/13/2017)
Understanding of curriculum in context - Develop understanding of curriculum in context through assessing students' work, scientific inquiry and/or texts. **Course Outcome Status:** Active **Next Assessment:** 2021-2022 **Start Date:** 10/13/2017	**Reviewed articles -** Textbook Review Reviews will focus on science literacy as well as scientific inquiry. **Criterion:** All above 80%	**Reporting Period:** 2016-2017 **Criterion Met:** Yes Textbook Review: All above 80%. Avg 90% (10/13/2017)	**Action:** I'd like to add some more practical requirements such as structure and student navigation of information. (10/13/2017)
Understanding of teaching - Develop understanding of teaching through analyzing classroom interactions and the interplay among science, classroom tasks, teaching, and students' ways of thinking and learning. **Course Outcome Status:** Active **Next Assessment:** 2021-2022 **Start Date:** 10/13/2017	**Assignment - Project -** Classroom Website Creation **Criterion:** 80% or above and all requirements present: teaching video, grading policy, classroom expectations, resources.	**Reporting Period:** 2016-2017 **Criterion Met:** Yes 91% average for all components combined. All students above an 80% (10/13/2017)	**Action:** Need to work on ease of navigation with students. (10/13/2017)

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Understanding of the scope and significance of secondary school science - Develop understanding of the scope and significance of secondary school science through an examination of state and national standards and science education research **Course Outcome Status:** Active **Next Assessment:** 2021-2022 **Start Date:** 10/13/2017	**Assignment - Project -** NGSS Standards and Learning Outcome Alignment for Unit Lesson **Criterion:** 80% or above on Teaching Presentation Rubric	**Reporting Period:** 2016-2017 **Criterion Met:** Yes All students received a 100%. (10/13/2017)	**Action:** Need to scrutinize the number of standards and outcomes that are used for particular lessons. Some students had more than necessary but this was not emphasized in the assignment details. (10/13/2017)
Develop professional dispositions for teaching - Develop professional dispositions for teaching through the demonstration of professional attitudes and work habits as well as the identification of professional organizations and professional development resources. **Course Outcome Status:** Active **Next Assessment:** 2021-2022 **Start Date:** 10/13/2017	**Performance/Presentation -** Teaching Presentations **Criterion:** 80% or above on Teaching Presentation Rubric.	**Reporting Period:** 2016-2017 **Criterion Met:** Yes All students received a 100% (10/13/2017)	**Action:** Rubric needs to be modified to fit better with what the expectations are for the science teaching aspects of the presentation. Will encourage more of the inquiry lesson components to be presented. (10/13/2017)
Continue learning science in ways that promote inquiry and investigation. - Continue learning science, especially in ways that promote inquiry and investigation. **Course Outcome Status:** Active **Next Assessment:** 2021-2022 **Start Date:** 10/13/2017	**Performance/Presentation -** Technology Presentations. **Criterion:** 80% or above on Technology Presentation Rubric.	**Reporting Period:** 2016-2017 **Criterion Met:** Yes All students received a 100% (10/13/2017)	**Action:** Although present, encourage inquiry aspects more. (10/13/2017) **Follow-Up:** 4 secondary education students took the course this spring. The course is only offered in the spring semester of each academic year. One student was in the Elko section, one was in the Pahrump section via IAV, one was in the Eureka section via IAV and the last student was in the Winnemucca section via IAV. Student final grades were all A's except for one B. Students had to make significant paradigm shifts

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			to align with inquiry-based methodologies for science education as promoted by the Next Generation Science Standards and the Nevada State Academic Standards in Science. Student scores on initial lessons tended to be rather low due to This course was formerly taught when I was an adjunct/part-time instructor. Because of this I had utilized a website to deliver course content. I have moved some of the content to WebCampus but will hopefully have all of it in WebCampus the next time this course is taught. In-class discussions were slow to start at the beginning of the year or monopolized by certain students. I'd like to implement online discussions and reading quizzes in order to foster more dynamic in-class discussions. Utilization of WebCampus will streamline coursework and grading of such. This course used to be a co-requisite with the last field experience for students. Language in the syllabus and assignments should be changed to reflect that the course no longer has this co-requisite. As per recommendations of my tenure committee I'll need to review the verbs used for my learning outcomes and adjust

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			appropriately to fit current research and recommendations. (10/13/2017)