Assessment: Course Four Column

Courses (SCI) - Natural Res and Env Sci

NRES 222:Soils

Course Outcomes	*Assessment Measures*	*Results*	*Actions*
Management of soils - Recall and define the basic terms used for the description, study, and management of soils. **Course Outcome Status:** Active **Next Assessment:** 2020-2021 **Start Date:** 09/16/2016	**Exam -** Final Exam Question **Criterion:** Class averages a 70% or better.	**Reporting Period:** 2015-2016 **Criterion Met:** Yes Student average is 75%. (09/16/2016)	**Action:** Encourage students to incorporate vocabulary terms into their everyday language and discussions about soils. (09/16/2016)
Soil forming factors - Describe the soil forming factors and the effect of each factor on soil development. **Course Outcome Status:** Active **Next Assessment:** 2020-2021 **Start Date:** 09/16/2016	**Exam -** Final Exam Question **Criterion:** Class averages a 70% or better.	**Reporting Period:** 2015-2016 **Criterion Met:** Yes Student average is 93%. (09/16/2016)	**Action:** Right on! Good thing considering my graduate work is in this topic! Continue to show enthusiasm for the content and provide additional examples. (09/16/2016)
Soil physical properties - Identify and describe soil physical properties such as texture, structure, and color. **Course Outcome Status:** Active **Next Assessment:** 2020-2021 **Start Date:** 09/16/2016	**Exam -** Final Exam Question **Criterion:** Class averages a 70% or better.	**Reporting Period:** 2015-2016 **Criterion Met:** Yes Student average is 85%. (09/16/2016)	**Action:** Spend more time in the field examining and describing soil profiles so students become more adept at identifying soil physical properties. (09/16/2016)
Soil physical, chemical, and biological properties - Explain how soil physical, chemical, and biological properties and processes affect agricultural and nonagricultural land use and management. **Course Outcome Status:** Active	**Exam -** This was supposed to be a question on the Final Exam Question. **Criterion:** Class averages a 70% or better.	**Reporting Period:** 2015-2016 **Criterion Met:** No No results (09/16/2016)	**Action:** Remember to include the essay question on the final exam in future semesters. (I might be forgetful, but at least I'm honest!) (09/16/2016)

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Next Assessment: 2020-2021 **Start Date:** 09/16/2016			
Soil pH and levels of essential nutrients - Explain the importance of maintaining proper soil pH and levels of essential nutrients for optimum plant growth. **Course Outcome Status:** Active **Next Assessment:** 2020-2021 **Start Date:** 09/16/2016	**Exam -** Final Exam Question **Criterion:** Class averages a 70% or better	**Reporting Period:** 2015-2016 **Criterion Met:** Yes Student average is 77% (09/16/2016)	**Action:** I need to boost my enthusiasm on topics such as this and others regarding soil chemistry. Perhaps have Pete guest lecture regarding plant nutrition. (09/16/2016)
Taxonomic system - Use and describe the taxonomic system for soil classification. **Course Outcome Status:** Active **Next Assessment:** 2020-2021 **Start Date:** 09/16/2016	**Exam -** Final Exam Question **Criterion:** Class averages a 70% or better	**Reporting Period:** 2015-2016 **Criterion Met:** Yes Student average is 92% . (09/16/2016)	**Action:** Taxonomy is FUN! And students think so too considering the student average is a 92%! The action plan is to continue to smile during the soil taxonomy lectures even though the material is painfully boring! (09/16/2016)
Ecological functions of soil - Summarize the ecological functions of soil and explain the role of soil management in maintaining and improving environmental quality. **Course Outcome Status:** Active **Next Assessment:** 2020-2021 **Start Date:** 09/16/2016	**Exam -** Final Exam Question **Criterion:** Class averages a 70% or better	**Reporting Period:** 2015-2016 **Criterion Met:** Yes Student average is 80% (09/16/2016)	**Action:** Incorporate additional application problems throughout the semester. (09/16/2016) **Follow-Up:** The Nature of Soils textbook adopted in the fall, was a much better choice compared to the previous textbook. The current textbook provides thorough explanation and excessive examples. In the future, I would like to sit in on a few of Pete's lectures regarding plant nutrition to help provide students with better examples of soil/plant relationships. In the future, I also want to strengthen my lectures: soil chemistry (pH, nutrient availability, etc) and plant nutrition. (10/11/2016)