

Teaching Plan for SOIL 252 (Soils) and SOIL 252L (Soils lab)

Instructor: C.W. Brungard

Semester: Fall 2020

Soil 252 (Soils): Origin, classification, morphology, and physical, chemical, and biological properties of soils. May be repeated up to 3 credits. **(CATALOG DESCRIPTION)**

Soil 252 is a three-credit course with an optional 1 credit lab that meets three times per week for lecture (MWF 9:30- 10:20). Labs are usually held on Mon and Wed afternoons, though the exact lab times have varied depending on enrollment. The lectures are scheduled to meet in Skeen Hall W129 and the labs are scheduled to meet in Skeen Hall W122. Typically, 30-40 students enroll in the class, though Fall 2020 enrollment has been capped at 29 to fit the room. I intent to teach the course with a similar content as in prior semesters. The following exceptions will be made for the implementation of safety practices to help prevent and slow the spread of COVID-19 in the instructional environment. **(BRIEF DESCRIPTION OF THE PREVIOUS DELIVERY METHOD)**

1. Lectures. Lecture activities and lecture exams will be planned for online dissemination using Zoom. That is, we will not meet in person. This practice will eliminate student presence in the building and its vicinity during our lecture times. **Scenario 1: There are no longer any significant health threats.** My lectures will be held online for the duration of the semester. If the health threats lessen, I do not propose changing from an online format to a physical presence format. **Scenario 2: Significant health threats have emerged during the semester and face-to-face instruction is no longer tenable.** Since I will be teaching the lectures online from the outset, no changes will be necessary to accommodate an increased health threat. **(PROPOSED CHANGES THAT WILL BE IMPLEMENTED WITH SAFETY AND SCENARIO CHANGES IN MIND)**
2. Labs. The lab section of this course is designed around team-based research learning. It is impossible to move this lab to an online format as it currently exists and if classes are offered only online the lab will not be taught. As this lab is required and because the lab is separate from the lecture class it could be taken at a later date.
For future course offerings; the lab *could be* revamped to an online format, but this would require 1) separate course development, 2) a shift from basic soil laboratory analysis to soil data analysis. As this will require significant effort, TA's will work with me to restructure the lab portion of this class so that it can be offered online. **(PROPOSED CHANGES THAT WILL BE IMPLEMENTED WITH SAFETY AND SCENARIO CHANGES IN MIND)**
3. Contact tracing: Minimal contact tracing will be implemented for this online only class, however, I will request that students notify me if they suspect they are ill (fever in excess of 100.4 degrees F, cough, or shortness of breath), or if they are notified that they may have potentially been exposed to COVID-19. If I learn that a student may have a virus or has been tested as presumptively positive, I will refer the students to their physician, the NM Department of Health COVID Hotline, or the student health center and, if not already done so, will arrange for a test. In extreme cases, they will call 911. I will notify Dr. Rolston St. Hilaire (Department Head) if a student informs me that they are ill or if positive test results are obtained. **(PLEASE USE THIS LANGUAGE. ALL PLANS ARE REQUIRED TO HAVE CONTACT TRACING INFORMATION).**