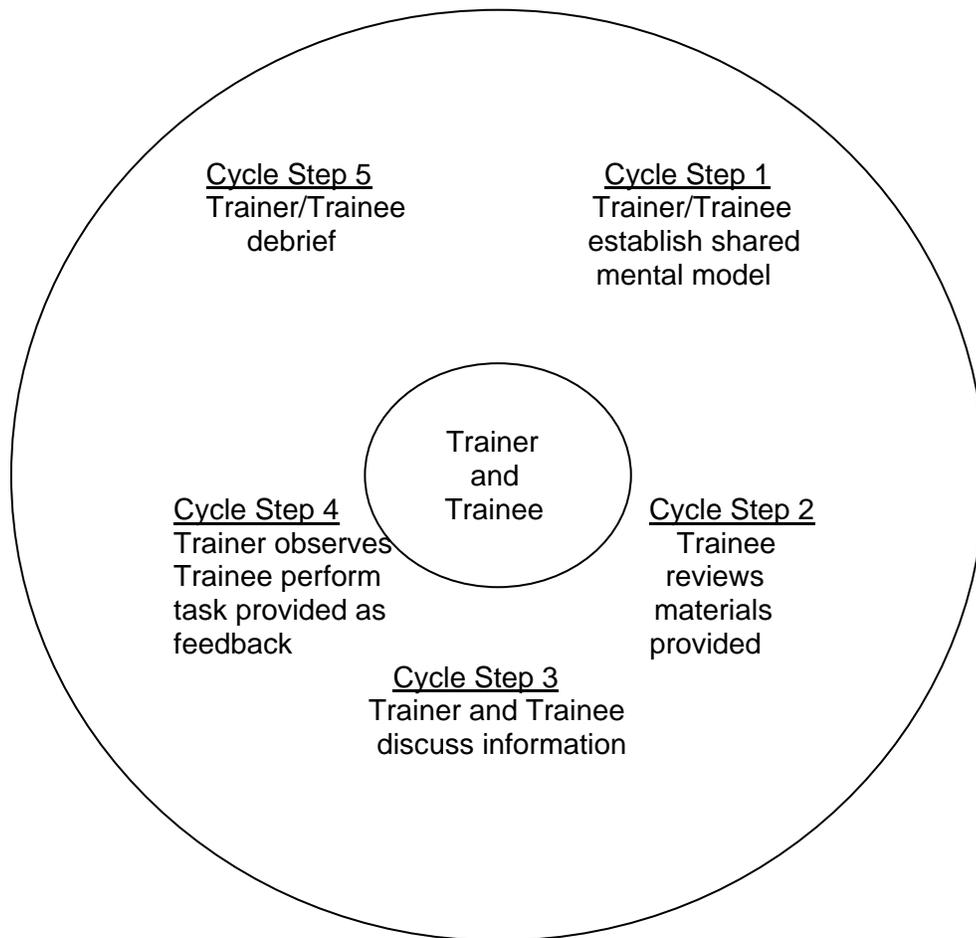


OJT Training Module Cover Sheet

Title: 406 Understand the standard procedures for sampling soils—overview.
Type: <input type="checkbox"/> Skill <input checked="" type="checkbox"/> Knowledge
Performance Objective: Trainee will be able to ... <ul style="list-style-type: none">• Find descriptions of standard methods for sampling soils.• Understand the overall procedures for sampling soils.
Target Proficiency: <input type="checkbox"/> Awareness <input checked="" type="checkbox"/> Understanding <input type="checkbox"/> Perform w/ Supervision <input type="checkbox"/> Apply Independently <input type="checkbox"/> Proficiency, can teach others
Trainer Preparation: <ul style="list-style-type: none">• Trainer should be familiar with the assigned reading/review material in the lesson plan that follows.• Try to time the training so that it coincides with sampling soils in the field as part of a sampling project.
Special Requirements: Initiate an external learning request with a SF-182 in Aglearn for this activity. Instructions and a template are located on the training webpages for OJT modules.
Prerequisite Modules: <ul style="list-style-type: none">• 402 Understand OSHA standards regarding excavations.
Notes: None
Authors: Shawn McVey
Approved by: Marc Crouch

The Five-Step OJT Cycle for Declarative Training (Knowledge)



OJT Module Lesson

Title: 406 Understand the standard procedures for sampling soils—overview.

WHAT	WHY, WHEN, WHERE, HOW, SAFETY, QUALITY
Cycle step 1	Trainer and trainee review objectives of module. Remind trainee that this is an overview of procedures and that modules will follow addressing specific sampling techniques.
Cycle step 2	<p>Trainee accesses via the internet and reviews the following in Soil Survey Field and Laboratory Methods Manual, SSIR #51,</p> <ul style="list-style-type: none"> • Section 1. Field Assessment and Sampling Strategies • Section 2. Conventions <p>Trainee should scan sections 3 through 7 of SSIR 51 to familiarize self with descriptions of analysis for which sampling is conducted.</p>
Cycle step 3	<p>Trainer and trainee discuss the assigned reading and focus on strategies and procedures commonly used in the MLRA soil survey area.</p> <p>Trainer accesses via the internet and refreshes knowledge of the difference kinds of investigation projects using NSSH 631.02.</p> <p>Trainer should ensure a discussion takes place regarding common hazards and safety precautions.</p> <p>If possible, demonstrate some of the basic techniques for sampling during a field sampling project, in conjunction with related OJT modules to follow.</p>
Cycle step 4	Trainer asks trainee to participate in a field sampling project to gain experience with the sampling methods. Trainer should coach the trainee as necessary.
Cycle step 5	Trainer and trainee can debrief the exercise, ensuring that any questions are answered.

OJT Module Lesson Measurement of Learning

Title: 406 Understand the standard procedures for sampling soils—overview.

WHAT	WHY, WHEN, WHERE, HOW, SAFETY, QUALITY
Trainee's learning is measured.	Have the trainee complete the attached quiz below to reinforce the concepts in this module.

SF-182

Trainee and/or supervisor access Aglearn to verify completion of the module via its SF-182.

Quiz

1. True or False? Soil scientists working on official sampling projects deeper than 150 cm (5 ft) are exempt from OSHA requirements.
2. True or False? Photographs of soil profiles are typically taken after the layers have been identified but before extraction of the vertical section by the sampling process.
3. True or False? Representative samples are labeled to identify the site, pedon, and soil horizon for the sample.
4. True or False? Sampling for trace element analysis requires the use of clean, nonmetallic equipment.
5. True or False? Reference projects are designed to obtain complete soil data for a representative pedon.