

## OJT Training Module Cover Sheet

**Title: 1206 How to use the Munsell Soil Color Charts to describe soil colors.**

**Type:**      Skill      Knowledge

**Performance Objective:** Trainee will be able to ...

- Determine the hue, value, chroma of the soil matrix color(s) by comparing soil in the dry and moist states and in crushed, smoothed, or broken face condition to the appropriate color chip in the Munsell Soil Color Charts.
- Determine the hue, value, chroma of mottles, redoximorphic features, concentrations, and ped and void surface features to the appropriate color chip in the Munsell Soil Color Charts.

**Target Proficiency:**

- Awareness    Understanding    Perform w/ Supervision  
 Apply Independently    Proficiency, can teach others

**Trainer Preparation:**

Trainer should be familiar with the assigned reading/review material in the lesson plan that follows.

**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.
- Have the *Munsell Soil Color Charts* available.
- Have the current *Field Book for Describing and Sampling Soils* available.

**Prerequisite Modules:**

- 1205 Understand the significance of soil color in your survey area.

**Notes:**

None

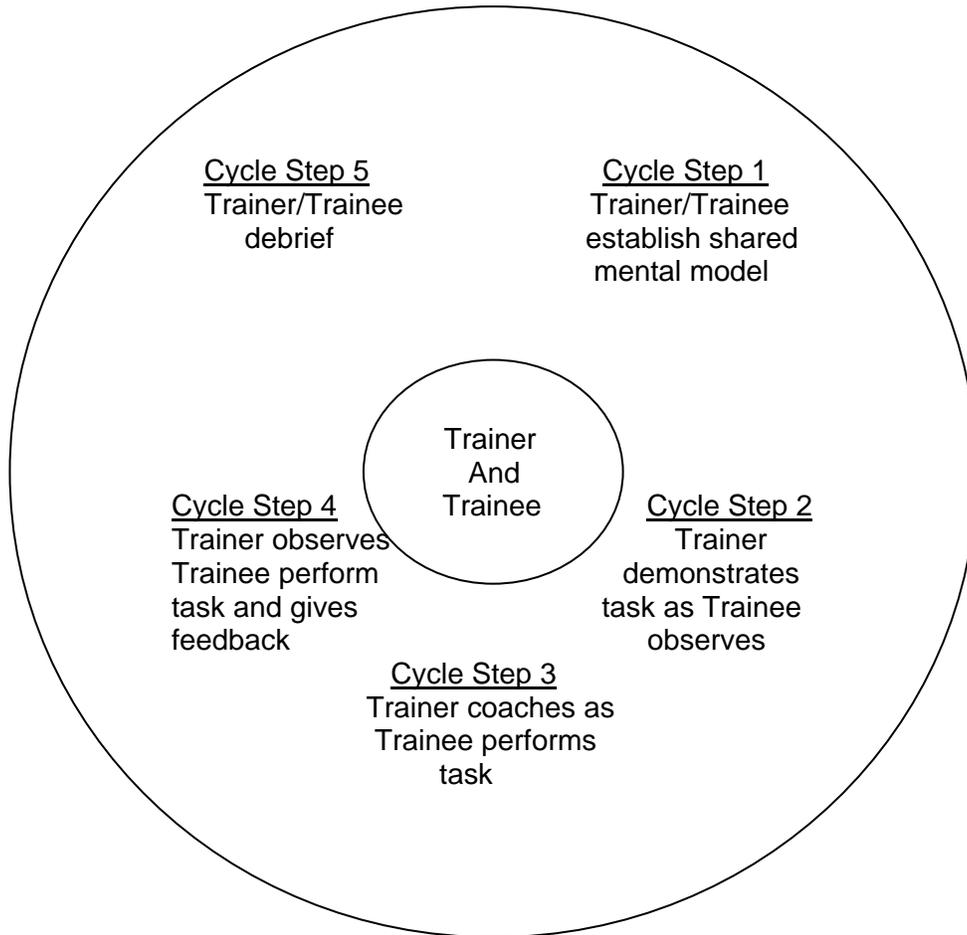
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# The Five-Step OJT Cycle for Procedural Training (Skill)



## OJT Module Lesson

**Title: 1206 How to use the Munsell Soil Color Charts to describe soil colors.**

WHAT	WHY, WHEN, WHERE, HOW, SAFETY, QUALITY
Cycle step 1	<p>Trainer and trainee should review the objectives of this module.</p> <p>Trainer and trainee access via the internet and/or hardcopy (Field Book) and read/review:</p> <ul style="list-style-type: none"> <li>• <b>Field Book for Describing and Sampling Soils:</b> <ul style="list-style-type: none"> <li>○ <b>Soil Color</b></li> </ul> </li> <li>• <b>Soil Survey Manual</b>, Chapter 3:           <ul style="list-style-type: none"> <li>○ <b>Soil Color</b></li> </ul> </li> <li>• Munsell Soil Color Charts provided by trainer</li> <li>• Attached <b>Soil Color Decision Flow Chart.pdf</b> (also located in the Field Book for Describing and Sampling Soils)</li> </ul>
Cycle step 2	<p>Trainer reviews local soil colors with trainee to prevent confusion of similar soil colors that may not be found in the local area.</p> <p>Trainer demos determining matrix colors using moist and dry samples in crushed, smoothed and open faced state as appropriate.</p> <p>Trainer demos determining color of mottles, redoximorphic features, concentrations, and ped and void surface features relevant to the survey area.</p> <p>Demos can be done in the office and/or in the field.</p>
Cycle step 3	<p>Trainer coaches trainee as trainee identifies Munsell color of samples. Use the flowchart as needed.</p> <p>Coach the trainee in color identification of soil in the dry and moist states and crushed, smoothed, or broken face condition. Also coach the trainee in identification of the color of mottles, redoximorphic features, concentrations, and ped and void surface features using appropriate hue, value, chroma methodology.</p>
Cycle step 4	<p>Trainer provides feedback as trainee independently identifies soil color using different methods (dry, moist, crushed, smoothed, and broken).</p>

	<p>Use samples from correlation trays in the office to introduce a variety of colors and features that can be measured.</p> <p>Visit field locations (road cuts, soil pits, etc.) with trainer to practice identifying soil color of the matrix and of any mottles, redoximorphic features, or non-redoximorphic features present.</p>
Cycle step 5	<p>Trainer and trainee can debrief the exercise and discuss answers to any questions. To add interest, trainer may choose to discuss situations found elsewhere and how they are handled.</p>

## OJT Module Lesson Measurement of Learning

Title: **1206 How to use the Munsell Soil Color Charts to describe soil colors.**

<b>WHAT</b>	<b>WHY, WHEN, WHERE, HOW, SAFETY, QUALITY</b>
Trainer observes trainee identify soil colors.	Using collected samples and field sites, repeat color observations until trainer is satisfied that the trainee can independently use the <i>Munsell Soil Color Charts</i> .

### **SF-182**

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