OJT Training Module Cover Sheet

Title: 1103 Understand the relationship of the factors of soil formation in your soil survey area.

Type: □ Skill **X** Knowledge

Performance Objective: Trainee will be able to…

- Understand the five factors of soil formation as exhibited in the local soil survey area.
- Describe the influences of each of the factors on soil components in the soil survey area.

Target Proficiency:

□ Awareness **X** Understanding □ Perform w/ Supervision
□ Apply Independently □ Proficiency, can teach others

Trainer Preparation:

- Access to soil survey area soils legend.
- Select several soils representing a cross section of the soils in the survey area and have OSDs and/or component pedon descriptions available for each, also pedon photos if available, and/or field sites representing each.

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:

None

Notes:

None

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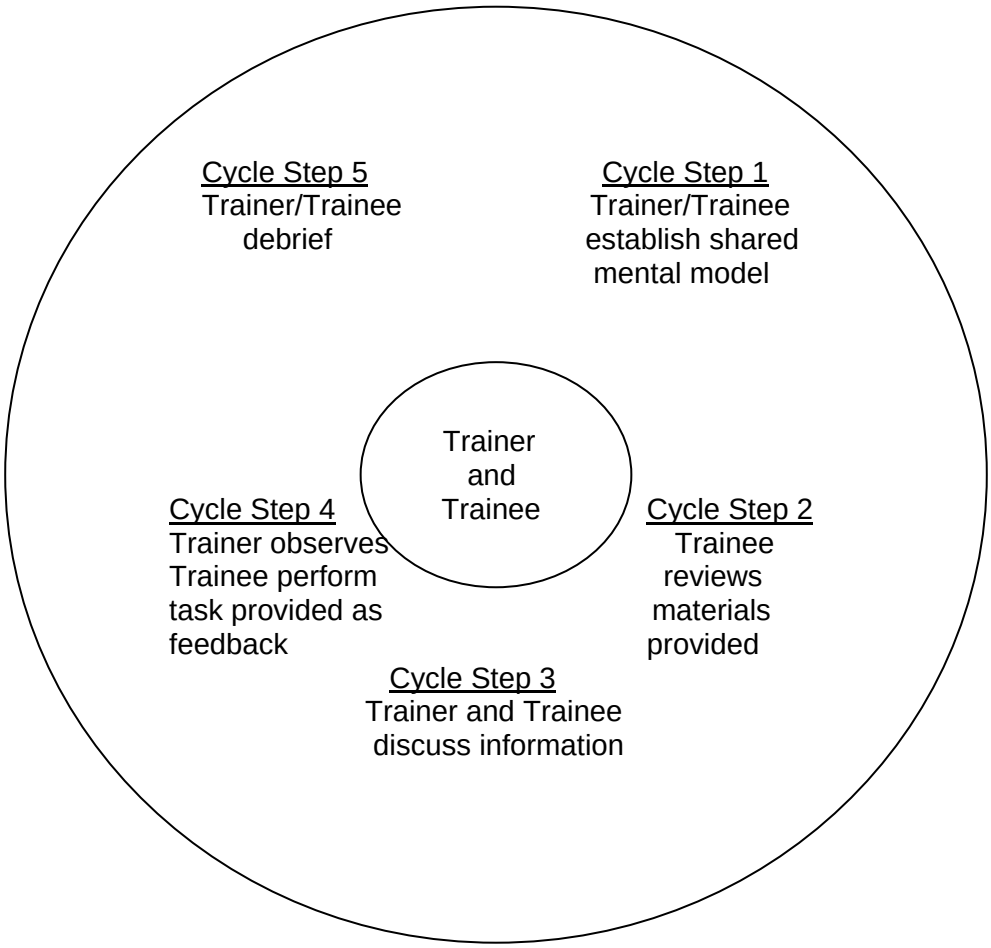
The Five-Step OJT Cycle for Declarative Training (Knowledge)



OJT Module Lesson

Title: **1103 Understand the relationship of the factors of soil formation in your soil survey area.**	
WHAT	**WHY, WHEN, WHERE, HOW, SAFETY, QUALITY**
Cycle step 1	Discuss what you intend to cover with this module and how you plan to do it.

Cycle step 2	Trainer and trainee should access via the internet and read/review:
	• Soil Survey Manual, Chapter 1:
	  o **Factors that Control the Distribution of Soils**
	• Soils web site (Soils/Education/Soil Facts):
	  o **Soil Formation and Classification**
	  ▪ **Soil Forming Factors**
	• The attached document **Factors of Soil Formation.pdf**

Cycle step 3	Use the attached document **Factors of Soil Formation.pdf**. As you reach each factor, use the selected soils of your survey area and address each factor, discussing how the 5 factors are expressed by the soil component (pedon and landscape/landform/surface morphometry).
Cycle step 4 and 5	Trainee completes assigned measurement of learning. Trainer debriefs trainee and answers any remaining questions.

OJT Module Lesson Measurement of Learning

Title: **1103 Understand the relationship of the factors of soil formation in your soil survey area.**	
WHAT	**WHY, WHEN, WHERE, HOW, SAFETY, QUALITY**
Trainee applies what has been learned to a selected set of soils.	Provide several soils from what you prepared and ask trainee to discuss each factor in relation to each soil. If possible, do it in the field so landscapes are better observed and addressed also. Try to cover the major landscapes in your soil survey area so the trainee has a good grasp of what has gone on in the way of soil formation.

SF-182

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