# OJT Training Module Cover Sheet

**Title:** 1105 How to key down from landscapes to landforms to associated soil map units and soil components in your area.

**Type:**  
- [ ] Skill  
- [x] Knowledge

**Performance Objective:** Trainee will be able to…
- Relate landscapes and landforms with appropriate map units and components in his or her local area.

**Target Proficiency:**
- [ ] Awareness  
- [ ] Understanding  
- [x] Perform w/ Supervision  
- [ ] Apply Independently  
- [ ] Proficiency, can teach others

**Trainer Preparation:**
- Have soils key, block diagrams, cross sections, catena charts, surficial geology maps, topographic maps, and GIS-based soil-landscape models from your survey area available for review and discussion as they apply to your area.
- Plan for a field trip to view the areas shown on maps.

**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:**
- 1101 Understanding map units, delineations, and the components within your survey area.
- 1103 Understand the relationship of the factors of soil formation in your soil survey area.
- 1104 How to identify landscapes, landforms, and surface morphometry.

**Notes:**
Additional skill development is available in OJT modules:
- 004 How to use a soils key for your soil survey area.
- 024 The concepts of landscape models and soil catenas.

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

- **Cycle Step 1**
  - Trainer/Trainee establish shared mental model

- **Cycle Step 2**
  - Trainee reviews materials provided

- **Cycle Step 3**
  - Trainer and Trainee discuss information

- **Cycle Step 4**
  - Trainer observes
  - Trainee performs task provided as feedback

- **Cycle Step 5**
  - Trainer/Trainee debrief
### OJT Module Lesson

**Title:** 1105 How to key down from landscapes to landforms to associated soil map units and soil components in your area.

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<thead>
<tr>
<th>WHAT</th>
<th>WHY, WHEN, WHERE, HOW, SAFETY, QUALITY</th>
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<tbody>
<tr>
<td>Cycle step 1</td>
<td>Trainer and trainee review objectives of module.</td>
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<tr>
<td>Cycle step 2</td>
<td>Have trainee review the soils key and any block diagrams, cross sections, catena charts, or GIS-based soil-landscape models available for the survey area.</td>
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| Cycle step 3 | Trainer discusses review materials with trainee and how they can be used. Completion of the prerequisites should make review of the materials go quickly. 
Trainer selects an area on a topographic map and, in conjunction with the geology map, identifies the landscape and landforms in a given area as a demonstration. Then trainer utilizes available soil key or catena chart to identify the associated map units and soil components in that area. Block diagrams, cross-sections, and landscape models can help to perform this task. 
Incorporate a field trip to review these findings. |
| Cycle step 4 | Ask the trainee to use the methods demonstrated to describe the landscape, landform, map units, and soil components for different locations in the survey area. 
Ask the trainee to describe what tools he or she is using and what these tools indicate. |
| Cycle step 5 | Trainer can debrief trainee and address any concerns. Repeat the steps above until the trainee understands the materials used and is comfortable using them. |
OJT Module Lesson Measurement of Learning

Title: 1105 How to key down from landscapes to landforms to associated soil map units and soil components in your area.

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<td>Trainee's learning is measured.</td>
<td>Have the trainee complete the quiz below to reinforce the concepts in this module.</td>
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**SF-182**

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

1. True or False? A landscape may consist of one or more landforms.

2. True or False? A map unit may consist of more than one soil component.

3. True or False? Block diagrams help to display geographically associated soils on the landscape.