

## MS-CPAS Blueprint Summary

|                      |                      |
|----------------------|----------------------|
| <b>Assessment:</b>   | Horticulture Cluster |
| <b>Test Code:</b>    | 2015Y1-2010          |
| <b>CIP Code:</b>     | 010601               |
| <b>Course Codes:</b> |                      |
| <b>Type:</b>         | PS                   |

The MS-CPAS Blueprint Summary indicates the number of assessment questions related to each unit on the assessment and indicates the relative emphasis placed on each unit. All of the listed competencies will appear on the assessment, but because of the length of the assessment, not every competency will be equally represented in the assessment.

The MS-CPAS Blueprint Summary includes a variety of information, which is explained below:

| Terms and Definitions        |   |
|------------------------------|---|
| <b>Assessment:</b>           | This signifies the name of the assessment, which corresponds with the name of the pathway or program.   |
| <b>CIP Code:</b>             | Developed by the U.S. Department of Education's National Center for Education Statistics (NCES), CIP codes are a federal coding system utilized for assessment and reporting of fields of study and program completions activity tracking.  |
| <b>Test Code:</b>            | A unique code that serves to numerically identify a specific assessment   |
| <b>DOK Levels:</b>           | Based on Webb's Depth of Knowledge (DOK), this signifies the assessment item difficulty factor to be expected in each unit. The three levels are as follows:<br><i>1 = Recall and Reproduction, 2 = Skills and Concepts, 3 = Short-term Strategic Thinking</i><br><b>Some postsecondary programs will not use DOK levels until the next revision.</b> |
| <b>Instructional Hours:</b>  | The total number of hours assigned to a unit per the pathway's curriculum   |
| <b>Total Items:</b>          | The total number of items assigned to each unit on the assessment. It is calculated as follows:<br><i>(Unit Instructional Hours / Total Instructional Hours) * Total Active Items</i>   |
| <b>Active Items:</b>         | The number of items on the assessment that will be graded   |
| <b>Field-test Items:</b>     | The number of items that are being field-tested, or piloted, to determine their eligibility for inclusion as an Active Item on future assessments. These items are not graded and, thus, will not impact the student's final score.   |
| <b>Total Assessed Items:</b> | The total number of items on the given assessment. It is calculated as follows:<br><i>Active Items + Field-test Items</i>   |

For more information regarding this MS-CPAS Blueprint Summary, please contact the Research and Curriculum Unit by phone at 1.866.901.7433 or by e-mail at [helpdesk@rcu.msstate.edu](mailto:helpdesk@rcu.msstate.edu).



| Assessment: Horticulture Cluster  | DOK Level(s) |  |  | Instructional Hours | Total Items |
|---|--------------|--|--|---------------------|-------------|
| Test Code: 20155Y1-2010   |              |  |  |                     |             |
| CIP Code: 010601  |              |  |  |                     |             |
| Total Hours: 6  |              |  |  |                     |             |
| <b>HLT 1113: Plant Materials I</b>  |              |  |  | <b>3</b>            | <b>20</b>   |
| 1. Demonstrate an understanding of identifying and classifying plant materials. |              |  |  |                     |             |
| <b>HLT 1123: Plant Materials II</b>   |              |  |  | <b>3</b>            | <b>20</b>   |
| 1. Demonstrate an understanding of identifying and classifying plant materials. |              |  |  |                     |             |
| <b>Active Items</b>   |              |  |  |                     | <b>40</b>   |
| <b>Field-Test Items</b>   |              |  |  |                     | <b>10</b>   |
| <b>TOTAL ASSESSED ITEMS</b>   |              |  |  |                     | <b>50</b>   |

## MS-CPAS Blueprint Summary

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**Assessment:** Horticulture Cluster  
**Test Code:** 2015Y2-2010  
**CIP Code:** 010601  
**Course Codes:**  
**Type:** PS

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|------------------------------|---|
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| <b>Test Code:</b>            | A unique code that serves to numerically identify a specific assessment   |
| <b>DOK Levels:</b>           | Based on Webb's Depth of Knowledge (DOK), this signifies the assessment item difficulty factor to be expected in each unit. The three levels are as follows:<br><i>1 = Recall and Reproduction, 2 = Skills and Concepts, 3 = Short-term Strategic Thinking</i><br><b>Some postsecondary programs will not use DOK levels until the next revision.</b> |
| <b>Instructional Hours:</b>  | The total number of hours assigned to a unit per the pathway's curriculum   |
| <b>Total Items:</b>          | The total number of items assigned to each unit on the assessment. It is calculated as follows:<br><i>(Unit Instructional Hours / Total Instructional Hours) * Total Active Items</i>   |
| <b>Active Items:</b>         | The number of items on the assessment that will be graded   |
| <b>Field-test Items:</b>     | The number of items that are being field-tested, or piloted, to determine their eligibility for inclusion as an Active Item on future assessments. These items are not graded and, thus, will not impact the student's final score.   |
| <b>Total Assessed Items:</b> | The total number of items on the given assessment. It is calculated as follows:<br><i>Active Items + Field-test Items</i>   |

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| Assessment: Horticulture Cluster   | DOK Level(s) |  |  | Instructional Hours | Total Items |
|--|--------------|--|--|---------------------|-------------|
| Test Code: 20155Y2-2010  |              |  |  |                     |             |
| CIP Code: 010601   |              |  |  |                     |             |
| Total Hours: 13  |              |  |  |                     |             |
| <b>HLT 1513: Landscape Design I</b>  |              |  |  | <b>3</b>            | <b>9</b>    |
| 1. Demonstrate the use of drawing instruments and supplies used in the preparation of landscape plans.<br>2. Describe and illustrate site inventory and analysis processes and elements and principles of design.<br>3. Describe and explore sustainable practices in the green industry.  |              |  |  |                     |             |
| <b>HLT 2113: Turfgrass Management</b>  |              |  |  | <b>3</b>            | <b>9</b>    |
| 1. Discuss the role of turfgrass and its importance in the green industry.<br>2. Describe the steps to establish turfgrass.<br>3. Describe the maintenance procedures to manage a healthy turf.<br>4. Discuss golf course design and management.   |              |  |  |                     |             |
| <b>HLT 2124: Landscape Maintenance and Weed Control</b>  |              |  |  | <b>4</b>            | <b>13</b>   |
| 1. Describe the scope of landscape maintenance.<br>2. Identify and perform the proper method and timing of pruning operations for specific trees and shrubs.<br>3. Explain the laws and regulations governing licensure.<br>4. Describe the different types of weeds and herbicides.<br>5. Develop a 1-year maintenance schedule for residential and commercial applications.<br>6. Demonstrate proper procedures for applying chemicals to turfgrasses.<br>7. Describe and explore sustainable practices in the green industry. |              |  |  |                     |             |
| <b>HLT 2813: Ornamental Turf Pest Management</b>   |              |  |  | <b>3</b>            | <b>9</b>    |
| 1. Describe and explain the different types of insects associated with landscape and horticulture plant material.<br>2. Describe and explain the different types of disease common to ornamental and turf plants.<br>3. Describe control methods for insects and disease management.   |              |  |  |                     |             |
| <b>Active Items</b>  |              |  |  |                     | <b>40</b>   |
| <b>Field-Test Items</b>  |              |  |  |                     | <b>10</b>   |
| <b>TOTAL ASSESSED ITEMS</b>  |              |  |  |                     | <b>50</b>   |