



SEC - Science of Agricultural Animals Blueprints

This document contains the blueprints for the concentration areas in secondary Science of Agricultural Animals.

Course Code(s)	Test Code	Program Name	Supplemental Materials/Notes
991001	10169Y1-2010	Science of Agricultural Animals	

Curriculum	Perkins Assessment 2016-17		Teacher Evaluation Pilot 2016-17			
	Y1 Post-Test	Y2 Post-Test	Y1 Baseline	Y1 Post-Test	Y2 Baseline	Y2 Post-Test
Science of Agricultural Animals	MS-CPAS2*	NA*	NA*	NA*	NA*	NA*

* These assessments are subject to change based on funding and policy changes/updates. Information for test coordinators will be disseminated on the ordering process for the national certification by the Research and Curriculum Unit at Mississippi State University.



MS-CPAS2 Blueprint Summary

Assessment: Science of Agricultural Animals
Test Code: 10169Y1-2010
CIP Code: 010901
Course Codes: 991001
Type: CP

The MS-CPAS2 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-CPAS2 Blueprint Summary includes a variety of information, which is explained below:

Terms and Definitions	
Assessment:	This signifies the name of the assessment, which corresponds with the name of the pathway or program.
CIP Code:	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.
Test Code:	A unique code that serves to numerically identify a specific assessment
DOK Levels:	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: <i>1 = Recall and Reproduction, 2 = Skills and Concepts, 3 = Short-term Strategic Thinking</i> Some postsecondary programs will not use DOK levels until the next revision.
Instructional	The total number of hours assigned to a unit per the pathway's curriculum
Total Items:	The total number of items assigned to each unit on the assessment. It is calculated as follows: <i>(Unit Instructional Hours / Total Instructional Hours) * Total Active Items</i>
Active Items:	The number of items on the assessment that will be graded
Field-test Items:	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.
Total Assessed Items:	The total number of items on the given assessment. It is calculated as follows: <i>Active Items + Field-test Items</i>

For more information regarding this MS-CPAS2 Blueprint Summary, please contact the Mississippi Assessment Center by phone at 1.866.901.7433 or by e-mail at helpdesk@rcu.msstate.edu.



Assessment: Science of Agricultural Animals Test Code: 10169Y1-2010 CIP Code: 010901 Total Hours: 90	DOK Level(s)			Instructional Hours	Total Items
	1	2	3		
Unit 1: Not on CPAS					
Unit 2: Not on CPAS					
Unit 3: Animals as Living Organisms	1	2		20	18
1. Examine the characteristics of life and living organisms. 2. Examine the anatomy and physiology of animals. 3. Investigate the importance of heredity and genetics.					
Unit 4: Animal Growth and Nutrition	1	2		20	18
1. Examine the role of nutrition in animal growth and health at different life stages. 2. Assess the effects of hormones on animal growth.					
Unit 5: Animal Reproduction	1	2		20	18
1. Examine the process of fertilization and conception in animal production. 2. Examine the reproduction process. 3. Examine reproductive methods.					
Unit 6: Animal Evaluation	1	2		20	17
1. Evaluate market animals. 2. Investigate the selection of breeding animals.					
Unit 7: Production Management	1	2		10	9
1. Examine basic concepts of animal health to include disease prevention, control, and treatment. 2. Examine the role of pathogens in animal health to include parasites and plant toxins.					
Unit 8: Not on CPAS					
Unit 9: Not on CPAS					
Active Items					80
Field-Test Items					20
TOTAL ASSESSED ITEMS					100