

# **Animal Management, AAS**

## **PROGRAM LEARNING OUTCOMES**

The assessment of student learning outcomes is not only a key indicator of program effectiveness, it is also one of the standards of excellence identified by the Middle States Commission (Standard 5) and is required through the SUNY assessment initiative.

### Current Student Learning Outcomes for Program

#### **Upon completion, students will:**

1. Describe the role of keepers as a part of the overall organization of zoological gardens and aquariums and their interaction with the public.
2. Implement procedures to ensure safety in zoological gardens, as well as other animal facilities.
3. Explain the scientific basis for proper diet and nutrition for animals and apply this knowledge in the clinical setting.
4. Practice proper sanitation procedures and pest control to prevent disease.
5. Discuss various aspects of animal behavior especially as it relates to the basic psychological needs of captive animals.
6. Describe the principles and historical trends involved in designing and constructing a suitable animal exhibit.
7. Consider the role and demonstrate an understanding of genetics and the general concepts of reproduction and breeding of animals, particularly captive species.
8. Explain the importance of record keeping and its role in an animal caretaker's daily routine and use various computer and software packages to maintain records.
9. Discuss the taxonomy, origin, evolution and history of fish, amphibians, reptiles, birds and mammals.
10. Explain conservation laws and the role of zoos and alternative facilities in animal conservation.

## CURRICULUM MAP

Program Learning Outcomes										
Course	PLO1	PLO2	PLO3	PLO4	PLO5	PLO6	PLO7	PLO8	PLO9	PLO10
AMG 101	IB/ E, P, I	ED/ E, P, I	IB/ E, P, I	IB/ E, P, I	IB/ E, I	IB/ E		IB/ E, P	IB/ P	IB/ E
AMG 102	IB/ E	ED/ E, I	I	ED/ E, I						
AMG 103	IB/ E, I	ED/ E, I	I	IB/ E, I		ED/ E, I, P				
AMG 104			I		ED/ E, I		ED/ E, I			I
AMG 105	ED/ E, I		I							ED/ E, I
AMG 201	IB/ E					IB/ E				IB/ E
AMG 202								ED/ E, P, I		
AMG 203		ED/ E			ED/ E, I					
AMG 205		ED/ E			ED/ E					
AMG 210									ED/ E, L	
BIO 134					ED/ E					
BIO 205									ED/ E, L	
BIO 207					ED/ E				ED/ E	
BIO 208					ED/ E				ED/ E	
BIO 209					ED/ E				ED/ E	
BIO 210			ED/ E, P	ED/ E, P	ED/ E, P	ED/ E			ED/ E	ED/ E, P
BIO 255							ED/ E, P, L		ED/ E	

Depth of Coverage Key:

IB-Introduced Basics ED-Expanded Detail

Assessment Key:

P-Paper E-Exam PO-Portfolio O=Oral Presentation L-Lab Assignment I-Internship

## Identifying and Measuring Current Student Learning Outcomes in the Major

<u>Student learning outcome</u>	<u>Activities that help students achieve the learning outcome</u>	<u>How the outcome is measured</u>	<u>Standard for individual performance to be achieved</u>	<u>Standard for overall performance</u>	<u>How well standard was met Response from the external team</u>
Describe the role of keepers as a part of the overall organization of zoological gardens and aquariums and their interaction with the public.	Participation in: <b>AMG 101L</b> <b>AMG 102L</b> <b>AMG 103L</b> <b>AMG 104L</b> <b>AMG 105L</b>  Courses: <b>AMG 101</b> <b>AMG 201</b>	Performance on relevant test questions in: <b>AMG 101</b> <b>AMG 201</b>  Internship evaluations for <b>AMG 101L-105L</b>	Student must earn a satisfactory grade (D minimum) or better for the course, maintain overall GPA of 2.0	Test items relevant to the objective will demonstrate an average of 70% correct.  Internship evaluations will average 75%.	The average % correct on relevant test questions is:  <b>AMG 101 = 79%</b> <b>AMG 201 = 83%</b>  The average overall % assigned for intern evaluations is: <b>AMG 101L = 83%</b> <b>AMG 102L = 85%</b> <b>AMG 103L = 89%</b> <b>AMG 104L = 92%</b> <b>AMG 105L = 88%</b>
Implement procedures to ensure safety in zoological gardens, as well as other animal facilities.	Participation in: <b>AMG 101</b> <b>AMG 203</b>	Performance on relevant test questions in: <b>AMG 101</b> <b>AMG 203</b>	Student must earn a satisfactory grade (D minimum) or better for the course, maintain overall GPA of 2.0	Test items relevant to the objective will demonstrate an average of 70% correct.	The average % correct on relevant test questions is:  <b>AMG 101 = 79%</b> <b>AMG 203 = 91%</b>
Explain the scientific basis for proper diet and nutrition for animals and apply	Participation in: <b>AMG 101</b> <b>AMG 101L-105L</b> Internships	Performance on relevant test questions in: <b>AMG 101</b>	Student must earn a satisfactory grade (D minimum) or better for the course,	Test items relevant to the objective will demonstrate an average of 70% correct.	The average % correct on relevant test questions is:  <b>AMG 101 = 79%</b>

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this knowledge in the clinical setting.		Internship evaluations for <b>AMG 101L-105L</b>	maintain overall GPA of 2.0	Internship evaluations will average 75%.	<p>The average overall % assigned for intern evaluations is:</p> <p><b>AMG 101L = 83%</b>  <b>AMG 102L = 85%</b>  <b>AMG 103L = 89%</b>  <b>AMG 104L = 92%</b>  <b>AMG 105L = 88%</b></p>
Practice proper sanitation procedures and pest control to prevent disease.	Participation in: <b>AMG 101</b> <b>AMG 102</b>  <b>AMG 101L-105L</b> Internships	<p>Performance on relevant test questions in: <b>AMG 101</b> <b>AMG 102</b></p> <p>Internship evaluations for <b>AMG 101L-105L</b></p>	Student must earn a satisfactory grade (D minimum) or better for the course, maintain overall GPA of 2.0	<p>Test items relevant to the objective will demonstrate an average of 70% correct.</p> <p>Internship evaluations will average 75%.</p>	<p>The average % correct on relevant test questions is:</p> <p><b>AMG 101 = 79%</b>  <b>AMG 102 = 80%</b></p> <p>The average overall % assigned for intern evaluations is:</p> <p><b>AMG 101L = 83%</b>  <b>AMG 102L = 85%</b>  <b>AMG 103L = 89%</b>  <b>AMG 104L = 92%</b>  <b>AMG 105L = 88%</b></p>

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Discuss various aspects of animal behavior, especially as it relates to the basic psychological needs of captive animals.	Participation in: <b>BIO 134</b>	Performance on relevant test questions in: <b>BIO 134</b>  *Entire course average was assessment method used	Student must earn a satisfactory grade (D minimum) or better for the course, maintain overall GPA of 2.0	Test items relevant to the objective will demonstrate an average of 70% correct.	The average % correct on relevant test questions is:  <b>BIO 134 = 52%</b> *Percent of class to receive C grade or higher
Describe the principles and historical trends involved in designing and constructing a suitable animal exhibit.	Participation in: <b>AMG 201</b> <b>AMG 103</b>	Performance on relevant test questions in: <b>AMG 201</b> <b>AMG 103</b>  *AMG 103 used course average	Student must earn a satisfactory grade (D minimum) or better for the course, maintain overall GPA of 2.0	Test items relevant to the objective will demonstrate an average of 70% correct.	The average % correct on relevant test questions is: <b>AMG 201 = 83%</b> <b>AMG 103 = 90%</b>  *103 used % to receive C min
Consider the role and demonstrate an understanding of genetics & the general concepts of reproduction and breeding of animals, particularly captive species.	Participation in: <b>BIO 255</b> <b>AMG 104</b>	Performance on relevant test questions in: <b>BIO 255</b> <b>AMG 104</b>  *AMG 104 used course average	Student must earn a satisfactory grade (D minimum) or better for the course, maintain overall GPA of 2.0	Test items relevant to the objective will demonstrate an average of 70% correct	The average % correct on relevant test questions is:  <b>BIO 255 = 79%</b> <b>AMG 104 = 94%</b> *104 used % to receive C min.
Explain the importance of record keeping and its role in an animal caretaker's daily	Participation in: <b>AMG 202</b>	Performance on relevant test questions in: <b>AMG 202</b>	Student must earn a satisfactory grade (D minimum) or better for the course,	Test items relevant to the objective will demonstrate an average of 70% correct	The average % correct on relevant test questions is:  <b>AMG 202 = 83%</b>

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routine and the use of various computer and software packages to maintain records.		*Entire course average was assessment method used	maintain overall GPA of 2.0		*Percent of class to receive C grade or higher
Discuss the taxonomy, origin, evolution, history, anatomy, and physiology of fish, amphibians, reptiles, birds and mammals.	Participation in: <b>BIO 205</b> <b>BIO 207</b> <b>BIO 208</b> <b>BIO 209</b> <b>BIO 210</b> <b>AMG 210</b>	Performance on relevant test questions in: <b>BIO 205</b> <b>BIO 207</b> <b>BIO 208</b> <b>BIO 209</b> <b>BIO 210</b> <b>AMG 210</b>  *BIO 205, 208, AMG 210 used course average	Student must earn a satisfactory grade (D minimum) or better for the course, maintain overall GPA of 2.0	Test items relevant to the objective will demonstrate an average of 70% correct.	The average % correct on relevant test questions is: <b>BIO 205 = 56%</b> <b>BIO 207 = 77%</b> <b>BIO 208 = 81%</b> <b>BIO 209 = 75%</b> <b>BIO 210 = 73%</b> <b>AMG 210 = 64%</b>  BIO 205, 208, AMG 210 used % to receive C min.
Explain conservation laws and the role of zoos and alternative facilities in animal conservation.	Participation in: <b>AMG 105</b> <b>AMG 201</b>	Performance on relevant test questions in: <b>AMG 105</b> <b>AMG 201</b>  *AMG used course average	Student must earn a satisfactory grade (D minimum) or better for the course, maintain overall GPA of 2.0	Test items relevant to the objective will demonstrate an average of 70% correct.	The average % correct on relevant test questions is:  <b>AMG 201 = 83%</b> <b>AMG 105 = 97%</b> *105 used % to receive C min.