Animal Health 18105

Rating Scale:

3	Mastery of Subject Matter	**M**	Math Competency
2	Limited Mastery of Subject Matter	**E**	Communication Competency
1	Non Mastery of Subject Matter	**S**	Science Competency
0	No Exposure to Subject Matter	**C**	Career Development Skill
		L	Laboratory Based Activity

Enrollement Date __/__/__ Completion Date __/__/__ Hours Completed ___

I Certify that the student received training in the areas indicated

Student Signature _____ Date __/__/__

Instructor Signature _____ Date __/__/__

A ***Animal Health Orientation***

1	Explore career opportunites in the Animal Health industry	C	3 2 1 0
2	Determine education requirements for those careers	C	3 2 1 0

B ***Anatomy of Animals*** 3 2 1 0

1	Identify and describe the surface anatomy	S	3 2 1 0
2	ID major organs of the thoracic & abdominal	S	3 2 1 0

C ***Cells and Tissue*** 3 2 1 0

1	Name and identify major parts of cells	S	3 2 1 0
2	Define osmosis and diffusion through cell membran	S	3 2 1 0
3	Distinguish between cells, tissues, and organs	S	3 2 1 0
4	Define and distinguish between mitosis and meiosis	S	3 2 1 0

D ***Integumentary System*** 3 2 1 0

1	List the functions of skin	S	3 2 1 0
2	Diagram the stucture of the skin	S	3 2 1 0
3	Explain the use of skin by society		3 2 1 0
	wool, leather, feathers,by products		3 2 1 0

E ***Skeletal System*** 3 2 1 0

1	Describe the functions of the skeletal system	S	3 2 1 0
2	Describe the development of bones and cartilage	S	3 2 1 0
3	Describe the process of skeletal maturation	S	3 2 1 0
4	Describe how to determine animal maturity		3 2 1 0
5	Id & describe skeletal defects in various species	S	3 2 1 0

F ***Circulatory and Respiratory system*** 3 2 1 0

1	Describe the functions of the circulatory system	S	3 2 1 0
2	ID parts and diagram blood flow through the heart	S	3 2 1 0
3	Explain how blood is oxygenated & roles of	S	3 2 1 0
	arteries, veins, and capillaries	S	3 2 1 0
4	Know the composition of blood	S	3 2 1 0
5	Describe the functions of the respiratory system	S	3 2 1 0
6	ID major organs of the respiratory system	S	3 2 1 0
7	List common diseases of the circ & respr. Systems	S	3 2 1 0

G ***Muscular System*** 3 2 1 0

1	Describe types of muscle (skeletal, cartial, smooth)	S	3 2 1 0
2	Describe the functions of the three types of muscle	S	3 2 1 0
3	Diagram how muscles are attached to the skeleton	SL	3 2 1 0
4	Describe the process of muscle contraction	S	3 2 1 0

H ***Animal Digestion*** 3 2 1 0

1	Explain mechanical & chemical digestive process of		3 2 1 0
	ruminant and monogastrics;	S	3 2 1 0
	including horses and chickens	S	3 2 1 0
2	Describe assimilation and absorption	S	3 2 1 0
3	Define metabolism	S	3 2 1 0
4	Identify organs of digestive system	SL	3 2 1 0
5	Identify the role of assesory organs	S	3 2 1 0

I ***Reproductive System*** 3 2 1 0

1	Id the anatomy of the male and female repro systems	S	3 2 1 0
2	Explain functions of the male and female systems	S	3 2 1 0
3	Describe the female reproductive cycle	S	3 2 1 0
4	List the repro horomones and function in the female	S	3 2 1 0
5	List the repro hormones and functions in the male	S	3 2 1 0
6	Describe fertilization & stages and steps of pregnancy.	S	3 2 1 0
7	Describe the development of a fetus.	S	3 2 1 0
8	Demonstrate the procedures of artificial insemination o	SL	3 2 1 0
9	Discuss the technique of embryo transfer including .	S	3 2 1 0
	superovulation,	S	3 2 1 0
	synchronization of donor and recipient	S	3 2 1 0
10	Describe estrus synchronization.	S	3 2 1 0
11	Describe methods used in pregnancy diagnosis.	S	3 2 1 0
12	Outline complications and care during parturition.	S	3 2 1 0
13	Explain how cycling time can be increased in animal pr	S	3 2 1 0
14	Describe the development of the sperm and ovum.	S	3 2 1 0
15	List health problems with the reproductive system	S	3 2 1 0

J ***Mamary System*** 3 2 1 0

1	Explain function of the mammary system	S	3 2 1 0
2	Describe the development of the mammary system	S	3 2 1 0
3	Illustrate the structure of the mammary system	S	3 2 1 0
4	Describe the endriconology of lactation.	S	3 2 1 0

K ***Veterinary Practices*** 3 2 1 0

Demonstrate proper methods of	
animal restraint	L
determining animal temperature	L
giving injections	L
obtaining fecal samples	L
Describe normal appearance & behavior	L

3 2 1 0	**L**		***FFA & SAE***			**O**		***Work Ethics***		3 2 1 0
3 2 1 0		1	Evaluate and compare different types of SAE		3 2 1 0		1	Interpret workplace policies related to	C	3 2 1 0
3 2 1 0		2	Select SAE best souted to ind needs based on		3 2 1 0			Safety	C	3 2 1 0
3 2 1 0			Interest, skill abileitie and opportunities		3 2 1 0			Persoanl Hygiene	C	3 2 1 0
3 2 1 0		3	Plan an implement individual SAE		3 2 1 0			Personal leave & absence	C	3 2 1 0
3 2 1 0		4	Use skills learned in class to enhance SAE		3 2 1 0			Substance abuse	C	3 2 1 0
3 2 1 0		5	Apply skills in ani sci CDE		3 2 1 0			Sexual harassment	C	3 2 1 0
3 2 1 0		6	Record entries ina & evaluate SAE record book		3 2 1 0		2	Apply rules, regulations& policies	C	3 2 1 0
3 2 1 0		7	Income, expenses, cash flow, inventories & depr.		3 2 1 0			Punctuality and dependability	C	3 2 1 0
3 2 1 0		8	Analyze and revise SAE to maximize profit		3 2 1 0			Responsibility for position	C	3 2 1 0
3 2 1 0		9	Examine goals and future plans for SAE		3 2 1 0			Accuracy	C	3 2 1 0
3 2 1 0		10	Use Record book to complete application for		3 2 1 0	**P**		***Listening Skills***	C	3 2 1 0
3 2 1 0			Greenhand, chapter or state FFA degree		3 2 1 0		1	Follow oral instructions	C	3 2 1 0
3 2 1 0			District & State Proficiency awards		3 2 1 0		2	Distinguish fact, opinion, and inference	C	3 2 1 0
3 2 1 0	**M**		***Time Management***		3 2 1 0		3	Interpret non verbal cues	C	3 2 1 0
3 2 1 0		1	Define the following terminology	C	3 2 1 0		4	Analyze speakers point of view	C	3 2 1 0
3 2 1 0			Time Management	C	3 2 1 0	**Q**		***Computer Skills***	C	3 2 1 0
3 2 1 0			Procrastination	C	3 2 1 0		1	Compose, organize & edit information w/ computer	C	3 2 1 0
3 2 1 0			Priority	C	3 2 1 0		2	Use presentation software	C	3 2 1 0
3 2 1 0			consequences	C	3 2 1 0		3	Use industry specific software	C	3 2 1 0
3 2 1 0			Incentive	C	3 2 1 0		4	Access & use online services	C	3 2 1 0
3 2 1 0			Dovetail tasks	C	3 2 1 0		5	Send and receive email, voicemail & fax	C	3 2 1 0
3 2 1 0		2	List Benefits of setting goals	C	3 2 1 0		6	Use software to store, sort, query & receive data	C	3 2 1 0
3 2 1 0		3	Id short and long-term goals	C	3 2 1 0	**R**		***Writing***	C	3 2 1 0
3 2 1 0		4	Determine priorities in personal life	C	3 2 1 0		1	Use correct language, organization and format	C	3 2 1 0
3 2 1 0		5	List influences on use of time	C	3 2 1 0		2	Check, edit, and revise for correct information	C	3 2 1 0
3 2 1 0		6	Identify time traps	C	3 2 1 0		3	Create & present tech data in charts & graphs	C	3 2 1 0
3 2 1 0		7	Idntify personal "time wasters"	C	3 2 1 0		4	Maintain records, logs, lab notbooks	C	3 2 1 0
3 2 1 0		8	State principles of efficient time management	C	3 2 1 0		5	Use style manuals or software for documentation	C	3 2 1 0
3 2 1 0		9	Identify reasons for procrastination	C	3 2 1 0					3 2 1 0
3 2 1 0		10	List ways to overcome procrastination	C	3 2 1 0					3 2 1 0
3 2 1 0		11	Develop habits that save time	C	3 2 1 0					3 2 1 0
3 2 1 0		12	Identify effective study habits	C	3 2 1 0					3 2 1 0
3 2 1 0	**N**		***Teamwork Skills***	C	3 2 1 0					3 2 1 0
3 2 1 0		1	Participate in team tasks	C	3 2 1 0					3 2 1 0
3 2 1 0		2	establish team goals	C	3 2 1 0					3 2 1 0
3 2 1 0		3	establish team standards	C	3 2 1 0					3 2 1 0
3 2 1 0		4	receive and give information	C	3 2 1 0					3 2 1 0
3 2 1 0		5	process information	C	3 2 1 0					3 2 1 0
3 2 1 0		6	plan for action	C	3 2 1 0					3 2 1 0
3 2 1 0		7	complete team task on time	C	3 2 1 0					3 2 1 0
3 2 1 0					3 2 1 0					3 2 1 0
					3 2 1 0					