

YOSEMITE REGIONAL OCCUPATIONAL PROGRAM

AGRICULTURE MARKETING & ANIMAL INDUSTRIES

CBEDS CODE: 4021

Course Description:

This course is designed to train students for entry-level jobs in agricultural marketing and animal industries. There is a large demand for persons trained in the marketing and care of large and small animals. Students will have classroom theory and hands-on experience with animals.

RECOMMENDED PREREQUISITES: None

RECOMMENDED GRADE LEVEL: 11-12

DURATION: 4 Semesters or 2 Summers and 2 Semesters

CREDIT: Variable; Up to 10 each summer or semester for a maximum of 40 units

SUMMARY OF MAJOR UNITS OF INSTRUCTION

Units	Approximate length of instruction for each unit (Weeks)(Hours)		
	Weeks	Hours	Hours
A. Workplace Skills	2.5	30	
B. Career Information	2.5	30	
C. Technology		2.5	30
D. Ethics		2.5	30
E. Basic Animal Science		2.5*	30*
F. Anatomy	2.5	30	
G. Disease & Parasite Control	2.5*	30*	
H. Animal Attitude & Behaviors	2.5*	30*	
I. Animal Handling & Restraints	2.5*	30*	
J. Animal Reproduction		5.0	60
K. Medical Terminology & Abbreviations	5.0	60	
L. Veterinary Hospital Duties	3.0*	45*	
M. Sterilization & Infection Procedures	3.0*	45*	
N. Domestic, Wild & Exotic Animal Management	3.0	45	
O. Maintaining Healthy Animals	3.0*	45*	
P. Emergency Procedures		3.0*	45*
Q. Kennel Management		3.0*	45*
R. Career Development & Resume	3.0	45	
Total		505*	705*

*Plus community classroom hours not to exceed a total of 720

INSTRUCTIONAL MATERIALS

Basic Text(s):

Modern Livestock & Poultry Production, 7th Ed., Gillespie, James R., Thomson/Delmar Learning, 2004

Supplementary Text(s):

Agribusiness Management and Entrepreneurship, Delmar, Latest Ed.
FFA Handbook, Future Farmers of America, FFA Foundation

EXPECTATIONS FOR STUDENT LEARNING

1.0 GOAL:

	<u>CTE</u>	<u>CR</u>	<u>ANCHOR</u>	
A. The student will understand the basic requirements of the program, classroom policies, procedures and expectations.	ANR-B1.1 ANRB1.2	CR1-4 CR6-12	A3.0 A1.0 A6.0 A9.0 A11.0 A10.0 A8.0	and
1.1 Programs available				
1.2 Develop leadership abilities in educational, vocational, civic, recreational, social activities through involvement in student organizations such as the Future Farmers of America.				
1.3 Community classroom/CVE				
1.4 Eligibility for enrollment				
1.5 Attendance				
1.6 Acceptable behavior				
1.7 Course requirements				
1.8 Safety rules				
1.9 Attitude/work ethic				
B. The student will demonstrate the following attitudes, behaviors, and personal characteristics valued by employers. The student will complete individual SAE projects in addition to assigned curriculum.	ANR-A6.2	CR1-3 CR5 CR7-10 CR12	A1 A2 A3 A5 A7 A8 A9 A11	
1.10 Responsibility				
1.11 Dependability				
1.12 Promptness				
1.13 Willingness to learn new skills				
1.14 Attentiveness during instruction				
1.15 Getting along with others				
1.16 Respect for others				
1.17 Honesty and integrity				
1.18 Pride in work				
1.19 Flexibility				
1.20 Not being defensive when corrected				
1.21 Working up to capacity				
1.22 Being pleasant and cheerful				
1.23 Showing strong motivation to succeed				
1.24 Good personal appearance				
1.25 Organized				
1.26 Constructively assisting others				
1.27 Work evaluation				

C.	The student will understand principles of interpersonal skills, including group dynamics, conflict resolution, and negotiation. (SCANS)	<u>CTE</u> ANR A2.3 A2.5 A3.1-3.3 A4.2-4.5 A8.1-8.3 B1.1-1.3 C2.1-2.5 C5.1-5.4 C6.1-6.2 C7.1-7.5 C10.2 C11.1-11.6 C13.1-13.2	<u>CR</u> CR1-12	<u>ANCHOR</u> A1-11
1.28	Discuss and demonstrate strategies for mutual respect, and for conflict resolution and explain their importance.			
1.29	Understand the laws that apply to sexual harassment in the workplace, and identify tactics for handling harassment situations.			
1.30	Demonstrate cooperative working relationships and proper etiquette across gender and cultural groups.			
D.	The student will understand the importance of good academic skills, critical thinking and problem solving skills.			
1.31	Use mathematical and algebra concepts, binary numbers and additional higher-level math concepts as applicable.			
1.32	Use general and physical science concepts and biology, physics and chemistry concepts as applicable.			
1.33	Demonstrate skills in reading, technical reading, writing and give directions.			
1.34	Exhibit critical and creative thinking skills and local reasoning skills, and employ these skills for problem solving.			
1.35	Present a positive image through verbal and nonverbal communication, and understand the power of body language in communication.			
E.	The student will understand occupational safety issues, including avoidance of physical hazards.			

2.0	GOAL: The student will understand career paths and strategies for obtaining employment.	<u>CTE</u> ANR A5.6 A6.2	<u>CR</u> CR1-3 CR6 CR10 CR11 CR12	<u>ANCHOR</u> A1-4 A7 A9 A10 A11	training interests
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3.0	GOAL: The student will understand and adapt to changing technology.	<u>CTE</u> ANR A5.6 A6.2	<u>CR</u> CR1-3 CR6 CR10 CR11 CR12	<u>ANCHOR</u> A1-4 A7 A9 A10 A11
3.1	Identify and explain how people, information, tools, machines, energy, capital, physical space, and time influence the selection and use of agriculture sales, marketing and animal industry technologies.			
3.2	Demonstrate the ability to use personal computers for loading and retrieving data, information gathering, measurements, and writing about and explaining agriculture sales, marketing and animal industries.			

4.0	GOAL: The student will understand the importance of ethics in the industry.		<u>CTE</u>	<u>CR</u>	<u>ANCHOR</u>
				CR1	A1
				CR2	A2
				CR4	A4
				CR5	A5
				CR7-12	A7-11
4.1	Discuss social and ethical responsibilities attached to access to information.				
4.2	Understand that copyright violations are theft.				
4.3	Demonstrate ethical choices in workplace situations.				
4.4	Distinguish between First Amendment freedoms and access to information.				
5.0	GOAL: The student will be able to recognize and classify, according to scientific terminology, domestic animals.		<u>CTE</u>	<u>CR</u>	<u>ANCHOR</u>
			ANR	CR1	A1
5.1	Beef			CR2	A2
5.2	Sheep		C4.1	CR4	A4
5.3	Swine		D10.0	CR5	A10
5.4	Dogs		D11.0	CR10	A11
5.5	Cats			CR11	
5.6	Horses			CR12	
6.0	GOAL: The student will understand and illustrate systems that relate to specific animals.		<u>CTE</u>	<u>CR</u>	<u>ANCHOR</u>
			ANR	CR1	A1
6.1	Skeletal			CR2	A2
6.2	Digestive		D2.3	CR4	A4
6.3	Circulatory		D2.4	CR5	A10
6.4	Nervous		D3.1	CR10	A11
6.5	Muscular		D3.3	CR11	
6.6	Respiratory		C5.1-5.4	CR12	
			C6.1		
			C6.2		
7.0	GOAL: The student will examine and evaluate disease and parasite prevention and control.		<u>CTE</u>	<u>CR</u>	<u>ANCHOR</u>
			C9.1	CR1	A1
A.	Internal parasites		C9.4	CR2	A2
				CR4	A4
7.1	Strongyles			CR5	A5
7.2	Ascarids			CR10	A10
7.3	Roundworm			CR11	A11
B.	External parasites			CR12	
7.4	Lice				
7.5	Mites				
7.6	Ticks				
7.7	Flies				
8.0	GOAL: The student will recognize and evaluate signs of illness in animals.		<u>CTE</u>	<u>CR</u>	<u>ANCHOR</u>
			C91-.9.4	CR1	A1
8.1	Normal animal behavior/abnormal behavior			CR2	A2
8.2	Vital signs		D6.1	CR4	A4
8.3	Intake of feed		D6.2	CR5	A5
8.4	Outward signs of illness		D9.1	CR10	A10
			C8.1-8.3	CR11	A11
				CR12	

9.0	GOAL: The student will understand restraining techniques.		<u>CTE</u> D1.3	<u>CR</u> CR1 CR2 CR4 CR5 CR10 CR11 CR12	<u>ANCHOR</u> A1 A2 A4 A5 A10 A11
9.1	Dogs				
9.2	Cats				
9.3	Small animals				
9.4	Farm animals				

10.0	GOAL: The student will investigate the reproductive tract of the male and female. Identify and categorize the associated organs and derive conclusions as to their related functions, and identify and assimilate the functions of selected hormones.		<u>CTE</u> D4.1-4.5	<u>CR</u> CR1 CR2 CR4 CR5 CR10 CR11 CR12	<u>ANCHOR</u> A1 A2 A4 A5 A10 A11
10.1	Vagina				
10.2	Vulva				
10.3	Ovaries				
10.4	Oviduct				
10.5	Cervix				
10.6	Bladder				
10.7	Uterine horns				
10.8	Epidymis				
10.9	Cowper's gland				
10.10	Prostrate				
10.11	Scrotum				
10.12	Penis				
10.13	Testicles				
10.14	Vas deferens				
10.15	Seminal vesicles				
10.16	Urethra				
10.17	Estrogen				
10.18	Progesterone				
10.19	Testosterone				

11.0	GOAL: The student will understand and apply the various medical terminology abbreviations used in the field of veterinary medicine.		<u>CTE</u> C9.5	<u>CR</u> CR1 CR2 CR4 CR5 CR10 CR11 CR12	<u>ANCHOR</u> A1 A2 A4 A5 A10 A11
11.1	IV	11.6	IP	11.11	HBC
11.2	IM	11.7	Rx	11.12	ECG(EKG)
11.3	IC	11.8	Ad lib	11.13	Cc
11.4	SQ	11.9	CBC	11.14	MI
11.5	ID	11.10	CRT	11.15	Mg

12.0	GOAL: The student will perform appropriate sterilization and disinfection procedures to prevent the spread of disease.	<u>CTE</u> C9.2 C9.5 D6.4	<u>CR</u> CR1 CR2 CR4 CR5 CR10 CR11 CR12	<u>ANCHOR</u> A1 A2 A4 A5 A10 A11
12.1	Understand the difference between infectious versus noninfectious diseases.			
12.2	Identify and understand pathogens.			
12.3	Interpret the effects of protozoa on animals.			
13.0	GOAL: The student will examine domestic, wild and exotic animal management and behavior.	<u>CTE</u>	<u>CR</u>	<u>ANCHOR</u>
A.	Appraise and predict animal behaviors based on the following:	C4.1	CR1	A1
13.1	Maintenance behaviors	C4.2	CR2	A2
13.2	Social behaviors	C9.1	CR4	A4
13.3	Learned behaviors	C9.2	CR5	A5
		D9.1	CR10	A10
B.	Evaluate normal versus abnormal behavior based on the following factors:	D9.2	CR11	A11
13.4	Attitude and behavior	D1.3	CR12	
13.5	Posture and movement	D1.1		
13.6	Animal's voice			
13.7	Appetite			
14.0	GOAL: The student will understand and utilize various management techniques to maintain healthy animals.	<u>CTE</u>	<u>CR</u>	<u>ANCHOR</u>
14.1	Vaccination and disease prevention	C9.1	CR1	A1
14.2	Nutritional knowledge	C9.5	CR2	A2
14.3	Sterilization of animals	D1.4	CR4	A4
14.4	Dehorning, castrating and docking	D6.3	CR5	A5
14.5	Medications	D6.4	CR10	A10
14.6	Preventative measures	D2.2	CR11	A11
		D2.3	CR12	
		D2.4		
15.0	GOAL: The student will practice emergency procedures utilized in the veterinary hospital.	<u>CTE</u>	<u>CR</u>	<u>ANCHOR</u>
15.1	Equipment	D1.3	CR1	A1
15.2	Shock		CR2	A2
15.3	Trauma		CR4	A4
			CR5	A5
			CR10	A10
			CR11	A11
			CR12	
16.0	GOAL: The student will demonstrate skills needed for working with livestock animal housing	<u>CTE</u>	<u>CR</u>	<u>ANCHOR</u>
16.1	Demonstrate skills in sanitizing individual livestock animal housing.	D1 –D1.4	CR1	A1
		C9.5	CR2	A2
16.2	Evaluate individual livestock environments based on health needs.	D10.1	CR4	A4
16.3	Develop a feeding and cleaning schedule based on individual needs.		CR5	A5
			CR10	A10
16.4	Understand medical abbreviations used in animal health.		CR11	A11
			CR12	

17.0	GOAL: Student will exhibit animals in an ethical manner demonstrating proper livestock show techniques.	<u>CTE</u> D1.3 D1.4	<u>CR</u> CR1 CR2 CR4 CR5 CR10 CR11 CR12	<u>ANCHOR</u> A1 A2 A4 A5 A10 A11
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18.0	GOAL: The student will evaluate portfolio and prepare for finding a job. 18.1 Create a resume with current skills and achievements. 18.2 Include recommendation letters from training site(s). 18.3 Identify and demonstrate effective interviewing techniques. 18.4 Demonstrate knowledge and skills for career retention through positive workplace attributes, college courses, and lifelong learning.	<u>CTE</u> A6.2	<u>CR</u> CR1-12	<u>ANCHOR</u> A1-A11
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19.0	GOAL: Student will, through the National FFA Organization, learn Leadership skill in interviewing, portfolio development, work and Professional attire. They will develop growth in interpersonal and Intrapersonal skills working others and alone. The students will Learn the ability to solve problems and think critically on group and Individual projects and assignments. 19.1 Develop leadership skills 19.2 Develop communication skills 19.3 Develop interpersonal and intrapersonal skills 19.4 Develop interview skills 19.5 Demonstrate a positive self- image 19.6 Create a career seeking portfolio	<u>CTE</u> A2.1 A2.2	<u>CR</u> CR1 CR2 CR4 CR7 CR8 CR9 CR10 CR12	<u>ANCHOR</u> 1 2 4 9 10 11 9.0