Imperial Valley Regional Occupational Program 687 State Street, El Centro, CA 92243 (760) 482-2600 • Fax (760) 482-2751 • Website: www.ivrop.org • Email: info@ivrop.org Course Title: Vet Science Instructor: Emilee Callens Hours:

Major Units of Instruction	Key Assignments/	Standards	Academic / Common
Ag/Natrual Resources Sector – (D) Animal Science Pathway	Common Assessments	(Anchor / Pathway)	Core Standards
1. Essential Employability / Career Preparation Skills	IVROP Common Assessments:		
a. Understand how personal skill development affect employability (positive	1. Oral Presentation Assignment,	2.0 Comm.	LS 9-10, 11-12.6
attitude, honesty, self-confidence, time management)	2. Application and Resume Assignment(s)	3.0 Career Planning &	SLS 11 – 12.2
b. Understand principles of effective interpersonal skills (group dynamics,	Portfolio	Management	
conflict resolution negotiations)		222 /	
e. Understand occupational safety issues and observes all safety rules		CC3.6	
f. Understand career awareness, paths and strategies for obtaining		CC 8.0 CC 9.0	
employment g. Understand and adapt to changing technology		B 1.0	
h. Understand and prepare for employment (resume, job application, job		CC 10.0	
interview, portfolio development) – job search skills		00 10.0	
2. ANATOMY OF PHYSIOL			
a. Demonstrate the ability to be a leader and describe the qualities that			
effective leaders should possess 9.1			
b. Be familiar with parliamentary procedure 9.2			
c. Have a working knowledge of how to prepare and give a speech 2.4			
(2.2))			
d. Identify the qualities that an employee should posses and how to			
obtain a job through this knowledge 3.1, 8.3			
e. Identify the attitude and behavior of healthy animals D9.1			
f. Monitor the temperature, pulse, and respiration of animals, and			
compare the monitored animal to that of a normal			
g. Write an essay on the disease concept of animal health 2.2, D6.0 (all)			
h. Demonstrate the need for a balanced diet in animal production by			
balancing a ration D2.0, D10.0			
i. Design a housing facility for a small and large animal that provides for			
a healthy environment D10.1			
j. Distinguish between sound and unsound animal disease management			
techniques <i>D6.0</i>			
k. Demonstrate the need for proper sanitation and disaffection of an			
animal's environment by taking bacterial cultures and analyzing			
them I. Recognize the characteristics of epithelium, connective, and muscle			
tissue by microscope observation			
m. Differentiate among the functions of the digestive, circulatory,			
respiratory, and excretory systems			
n. Distinguish between living an non-living causes of disease in animals			
o. Identify life cycles of bacteria, fungi, virus, and protozoa <i>D6.0</i>			
p. Classify the various means by which diseases are spread in an			

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iv. Students will be given a comprehensive written final examination			
at the end of the semester to include a lab practicum portion			
v. The students will be responsible for extensive reading in the			
textbook and completing a variety of assignments as			
determined by instructor			
vi. Students will do extensive outside work preparing animal pens,			
working with animals, animals and facilities on a weekly basis.			
A weekly participation score for these activities will be given. If			
the student does not do the work assigned outside they will not receive credit.			
vii. Students are responsible for bringing a covered textbook, paper,			
pen, and pencil with them every day to class. Students will be			
awarded 5 points per day for coming to class prepared, failure			
to bring materials to class will result in losing these points. In			
addition, students will lose these points if their absences are			
unexcused, or tardy.			
viii. Students will be responsible for having their school agenda's with			
them on a daily basis. Students will write down the days			
assignments/homework every day from the board before class			
begins a score of 5 points a day will be given for agenda's			
ix. Weekly class participation points will be earned by the student.			
V. PROJECTS (all standards)			
a. The student will be responsible for several assignments throughout			
each semester. Some of these will include:			
i. Fetal Lamb, and Horse dissection, Necropsy on Pig, Lambs, and			
Cattle, various tasks such as shots, temp., hoof trimming,			
stitches, ear tagging.			
ii. Term paper			
iii. Leadership Projects			
iv. In depth laboratory science investigations in the classroom			
v. Outdoor Ag. Science Lab activities			
vi. SAE project VI. FFA PARTICIPATION			
a. A. Each student enrolled in Agricultural course is automatically a			
member of the Imperial FFA Chapter. Because the state provides			
funding for this Agriculture course, all students are required to			
participate in a minimum of 6 FFA activities every semester. Extra			
credit will be awarded for each additional activity beyond the			

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Major Units of Instruction Ag/Natrual Resources Sector – (D) Animal Science Pathway	Key Assignments/ Common Assessments	Standards (Anchor / Pathway)	Academic / Common Core Standards
minimum			
TOTAL			

Cross-Cutting Anchor Standards and Related Common Core Standards - Detailed version for each Industry Sector available at link on IVROP web page.	
1. Academics (Analyze and apply appropriate academic standards for industry sector).	See Matrix for Pathway
2. Communications (Acquire and accurately use sector terminology and protocols at the career and college readiness level for communicating effectively)	LS 9-10, 11-12.6
3. Career Planning and Management (Integrate multiple sources of career information from diverse formats to make informed career decisions)	SLS 11-12.2
4. Technology (Use existing and emerging technology to investigate, research, and produce products and services)	WS 11-12.6
5. Problem Solving and Critical Thinking (Conduct short and sustained research to create alternative solutions to solve a problem using critical & creative thinking)	WS 11-12.7
6. Health and Safety (Demonstrate health and safety procedures, regulations, and personal health practices and determine the meaning of symbols, key terms)	RSTS 9-10, 11-12.4
7. Responsibility and Flexibility (Initiate/participate in a range of collaborations demonstrating behaviors that reflect personal and professional responsibility & flexibility)	SLS9-10, 11-12.1
8. Ethics and Legal Responsibilities (Practice professional, ethical, and legal behavior, responding thoughtfully)	SLS 11-12.1d
9. Leadership and Teamwork (Work with peers to promote divergent and creative perspectives, leadership, group dynamics)	SLS 11-12.b1
10. Technical knowledge and Skills (Apply essential technical knowledge and skills)	WS 11-12.6

11. Demonstration and Application (Demonstrate and apply the Knowledge and skills contained in the Industry anchor and pathway standards in classroom, laboratory, and workplace settings and through CTSO's career and technical student organizations).