Course ID	Course Name	Course Outcome
AGAG 1 (VOC)	Food Production, Land use and Politics - A Global Perspective	GEO - Students completing relevant assignments in Area D2 courses will analyze the relationship between social, political, and/or economic institutions and human behavior.
		Students completing AGAG 1 will be able to demonstrate an understanding of the interdependence of world agriculture systems.
		Students completing AGAG 1 will be able to discuss the impact that the endangered species act has on current agricultural practices.
		Students completing AGAG 1 will be able to evaluate the sustainability of current food production systems.
		Students completing AGAG 1 will be able to explain how water issues impact world agriculture
		Students completing AGAG 1 will be able to formulate possible solutions to the conflicting demands for land use between suburban development and agriculture.
		Students completing AGAG 1 will be able to identify and describe the key elements in sustainable agriculture.
		Students completing AGAG 1 will be able to prepare and present an argument in favor of, or in opposition to, a variety of controversial topics in the arena of agriculture.
AGAG 59	Work Experience in Agriculture	Employers of Agricultural Science Work Experience Students will rate the technical skills of their students as above average.
		Employers of Agricultural Sciences Work Experience Students will rate them at 85% or higher for their work habits as above average.
AGAG 91	Agricultural Calculations	Caluate the amount of cement, sand, and gravel to mix concrete of a given area
		Completors will be able to calculate the area of a pasture to determine acreage, fertilizer and seed quantities
AGAG 99	Special Projects in Agriculture	Students successfully completing this course will be able to demonstrate proficiency in the learning objectives outlined for the specific project.
		Students successfully completing this course will be proficient in communicating with the project 'customer'
AGAN 1 (VOC)	Animal Science	Course completers should be able to discuss the major current agricultural industry issues
		Course completers should be able to identify the common species & breeds of livestock
AGAN 2 (VOC)	Animal Nutrition	80% of the students will be able to formulate a ration for a livestock animal, utilizing the pearson square method.
		Students will be able to demonstrate an understanding of positive and negative aspects of nutritional supplements and additives.
		Students will demonstrate an understanding of nutritional requirements of various life stages of the canine.
AGAN 51 (VOC)	Animal Handling and Restraint	Students completing this course will be able to correctly place a halter on a horse.
		Students completing this course will be able to demonstrate the correct restraint method for canine jugular

AGAN 94 (VOC)	**Animal Breeding**	Course completers should be able to recognize & discuss current topics dealing with artificial insemination, embryo manipulation and reproductive biotechnology
		Course completers should be able to recognize major breeding systems for domestic animals
AGHE 54	**Veterinary Office Procedures**	Students completing AGHE 54 will be able to communicate effectively with clients who will be experiencing different stages of grief due to pet loss.
		Students completing AGHE 54 will be able to define medical terms used in veterinary medicine.
		Students will be able to generate a medical record for a veterinary patient.
AGHE 60	**Medical Nursing and Animal Care**	75% Student will properly place a robert jones bandage for fracture splinting
		75% Students will place an intravenous catheter in the cephalic vein
AGHE 61	**Surgical Nursing**	75% of the Students will properly connect and set up an anesthesia machine and monitor anesthesia for an 75
		75% Students will properly gown and glove sterily for surgery
AGHE 62A	**Clinical Pathology**	72% of Students will properly perform a CBC with a differential slide
		72% Student will perform a proper direct and fecal float exam for parasite eggs
AGHE 62B	**Clinical Pathology**	72% of Student will perform a complete urinalysis including a specific gravity, multireagant strip and sediment
		72% Students will perform a bacteria sample 4 quadrant plating and then gram stain
AGHE 64	**Veterinary Pharmacology**	Student will identify the different trade names of different generic drugs
		Students will correctly calculate 10 standard drug calculations used in the hospital situation
AGHE 65	**Veterinary Radiography**	Students will perform a proper radiograph of the canine thorax, inculding measurement, collimnation and
		Students will properly develop a radiographic film from both the manual dip tank and automatic processor
AGHE 79	**Laboratory Animal Medicine and Care**	Students completing this course will be able to properly demonstrate how to restrain laboratory rodents.
		Students will be able to correctly describe animal husbandry techniques for given laboratory animals.
		Working in groups students will develop a protocol for biomedical study
AGHE 83A	**Work Experience in Animal Health**	Employers of Animal Health Work Experience Students will rate the technical skills of their students as above
		Employers of Animal Health Work Experience Students will rate the work habits of their students as above
		Students of the Registered Veterinary Technology Program will demonstrate professional conduct in the industry
AGHE 84B	**Applied Animal Health Procedures**	At the completion of AGHE84B the student will be able to perform a jugular venipuncture on a food animal
		Students compleing AGHE84B will be able to administer a liquid medication to a food animal patient.
		Students completing AGHE 84B will be able to administer a intramuscular injection in a food animal patient.
		Students completing 84B will be able to administer a subcutaneous injection to a food animal patient.
		Students completing AGHE84B will be able to administer a bolus medication to a food animal patient.

AGHE 85	**Seminar in Registered Veterinary Technology**	The students who successfully complete this class will pass the examinations
		The students will become profient in taking computer based testing
AGHE 86	**Anat & Phys of Domestic Animals**	Students completeing AGHE 86 will be able to describe the functions of the major organ systems of various domestic animal species
		Students completing AGHE 86 will be able to identify various clinically relevant anatomical structures of domestic
		Students completing AGHE86 will be able to describe the flow of blood through the body.
AGLI 12 (VOC)	**Exotic Animal Management**	Students in the Exotic animal class will analyze and differentiate between the different types of pet bird species and their species specific husbandry requirements.
		Students in the Exotic animal class will analyze and differentiate between the different types of pet reptile species and their species specific husbandry requirements.
AGLI 14 (VOC)	**Swine Production**	Course completers should be able to identify all common breeds of swine
		Course completers will be able to give a professional quality oral presentation
AGLI 16 (VOC)	**Horse Production**	Students completing AGLI 16 will be able to distinguish between different breeds of the modern horse.
		Students completing AGLI 16 will be able to explain the structural changes that occured during the evolution of
		Students completing AGLI 16 will be able to follow the vaccination schedule recommended by the American Association of Equine Practitioners.
AGLI 17 (VOC)	**Sheep Production**	Students completing AGLI 17 will present on a specific facet of the sheep industry.
		Students will be able to identify major meat and wool breeds of sheep.
AGLI 18 (VOC)	**Horse Ranch Management**	Course completers will develop and implement a health plan for a breeding program with the resources
		Course completers will explain laws and legislations regulating horse farms and businesses.
		Students completing AGLI 18 will be able to develop a business plan for a proposed equine facility.
AGLI 20 (VOC)	**Horse Behavior and Training**	Course completers will decribe correct methods for handling young horses.
		Students completing AGLI 20 will understand how horses learn.
		Students completing AGLI 20 will understand the foundations of training common to multiple disciplines.
AGLI 30 (VOC)	**Beef Production**	Course completers should be able to identify all common beef breeds
		Course completers will be able to give a professional quality oral presentation
AGLI 34 (VOC)	**Livestock Judging and Selection**	Course completers will be able to give a professional quality oral set of reasons for any live animal livestock class.
		Course completers will be able to identify all the proper external parts of any livestock species.

Course	Title	Outcomes
AGLI 96 (VOC)	**Animal Sanitation and Disease Control**	Students will be able to describe appropriate sanitation procedures for animal confinement areas.
		Students will be able to identify poisonous plants that are commonly poisonous to animals.
		Students will demonstrate an understanding of key nutritional factors that would influence disease conditions.
AGOR 1 (VOC)	**Horticultural Science**	GEO- Students completing relevant assignments in Area B courses will evaluate the impact of science on their
		Students completing AGOR 1 will be able to correctly identify the nutrients required to correct nutrient deficiencies in plants.
		Students completing AGOR 1 will be able to describe climatic and microclimate interactions and how they influence plant growth.
		Students completing AGOR 1 will be able to explain concepts related to plant structure and function.
		Students completing AGOR 1 will be able to explain how different types of soils can be managed to improve
AGOR 13 (VOC)	**Landscape Design**	Course completers will be able to evaluate a site and develop a functional design that meets client criteria
		Students completing AGOR 13 will be able to demonstrate competency in one on one customer relations.
		Students completing AGOR 13 will be able to give a professional quality oral presentation.
AGOR 14	**Advanced Landscape Design**	Students completing this course will be technically proficient at computer aided design (cad)
		Students successfully completing this course will be able to make a professional landscape design presentation to a customer
AGOR 15 (VOC)	**Interior Landscaping**	Course completers will be able to identify and explain appropriate irrigation practices for interior applications.
		Course completers will be able to interact with clients in a professional manner.
		Course completers will be able to recognize and explain the benefits of plants in the interior.
AGOR 2 (VOC)	**Plant Propagation/Greenhouse Management**	Course completers will be able to demonstrate commercial plant propagation techniques used in the nursery
		Course completers will be able to formulate growing media that is appropriate for use in propagation of plants.
		Course completers will be able to integrate proper sanitation and disease prevention procedures
		Students completing AGOR 2 will be able to demonstrate a work ethic appropriate to the plant production
AGOR 24 (VOC)	**Integrated Pest Management**	Course completers will be able to formulate and implement a complete Integrated Pest Management program for a specific site.
		Students completing AGOR 24 will be able to give a professional quality oral presentation
		Students successfully completing this course will be able to demonstrate knowledge of Laws and Regulations of California Department of Pesticide Regulation
		Successful completers will be able to identify local pests and disorders of trees, turf, and ornamental landscapes.
AGOR 29 (VOC)	**Ornamental Plants - Herbaceous**	Course completers will be able to explain the binomial method of plant nomenclature.
		Course completers will be able to identify common herbaceous landscape plants
AGOR 30 (VOC)	**Ornamental Plants - Trees and Woody Shrubs**	Course completers will be able to explain the binomial method of plant nomenclature.

Course completers will be able to identify common landscape trees and woody shrubs

AGOR 32 (VOC)	**Landscaping and Nursery Management**	Demonstrate a work ethic appropriate to the plant production industry.
		Students completing AGOR 32 will be able to demonstrate good customer relations skills.
		Students completing this course will be able to explain the organizational structure of the nursery industry.
AGOR 35	**Ornamental Plants for Southwest Climates**	Course completers will be able to explain the binomial method of plant nomenclature
		Course completers will be able to identify common landscape plants for southwest climates
AGOR 39 (VOC)	**Turf Management**	Course completers will be able to formulate and implement a complete Turf Management program for a specific
		Course completers will be able to identify common turf species and describe their uses
		Students completing AGOR 39 will be able to give a professional quality oral presentation.
AGOR 4 (VOC)	**Park Management**	Students completing this course will be able to adequately demonstrate why maintenance management plans are essential to the management and operations of a park system.
		Students completing this course will be able to summarize policies regarding recreational activities, park planning and facility operations.
AGOR 40 (VOC)	**Sports Turf Management**	Course completers will be able to assess the use of artificial surfaces for sports areas and present an argument in favor of, or in opposition to, the use of artificial surfaces.
		Course completers will be able to formulate and propose an all-inclusive management program for a sports turf
		Students completing AGOR 40 will be able to give a professional quality oral presentation.
AGOR 5 (VOC)	**Park Facilities**	Course completers will be able to successfully develop a maintenance plan for a park facility
		Students will be able to evaluate the safe and functional use of equipment, materials and procedures necessary for the proper layout, operation, maintenance and repair of park structures, playground apparatus, campground and surfaced areas.
AGOR 50 (VOC)	**Soil Science and Management**	Course completers will be able to evaluate the soil conditions at an existing site and make specific recommendations for the immediate and long-term correction of all problems
		Course completers will be able to identify and explain all aspects of a standard soil test.
		Course completers will be able to predict the potential effects that certain chemical and physical properties of soils will have on overall plant health.
AGOR 51 (VOC)	**Tractor and Landscape Equipment Operations**	Students completing this course will be able to demonstrate fundamentals of operating tractors and equipment covered in class
		Students completing this course will be able to demonstrate safe operational skills and practices when operating tractors and other equipment

AGOR 52 (VOC)	**Hydraulics**	Students completing this course will be able to identify component and parts of hydraulic systems on farm and landscape equipment
		will learn to identify hydraulic symbols used in hydraulic schematics
AGOR 53 (VOC)	**Small Engine Repair I**	Students completing the course will learn component and tool identification
		Students completing the course will learn engine disassembly, evaluation of components, and reassembly of small air-cooled gasoline engine
AGOR 54	**Small Engine Repair II**	Students completing this course will learn component and tool identification as used on larger air and liquid cooled gas and diesel engines.
		Students completing this course will learn engine operating principles as they apply to the engine systems (cooling, compression, lubrication, ignition, fuel, and governors.)
AGOR 55 (VOC)	**Diesel Engine Repair**	Disassembly, evaluation and reassembly of multi-cylinder liquid-cooled diesel engines
		Students completing this course will learn to measure engine components using various measurement tools (micrometers, calipers, bore gauges, telescoping gauges, etc.)
AGOR 56 (VOC)	**Engine Diagnostics**	Students completing this course will learn the seven basic steps essential to proper engine diagnosis.
		Students completing this course will learn to identify and apply practical application of tools and equipment used for proper diagnosis of various engine types and the systems involved.
AGOR 57 (VOC)	**Power Train Repair**	Students completing this course will learn the various ways power is transmitted including friction, gear and fluid
		Students completing this course will learn to identify and understand the various types of power transmission used to propel, operate, and actuate various types of machinery. This includes clutches, various transmission types, differentials, and final drives.
AGOR 62 (VOC)	**Landscape Irrigation - Design and Installation**	Course completers will be able to evaluate a site and develop a functional design that meets client criteria
		Identify the proper components of a efficient automatic irrigation system
AGOR 63 (VOC)	**Landscape Irrigation Systems Management**	Competers will be able to evaluation the efficiency of a automatic irrigation system.
		Students will be able to program a variety of irrigation controllers used in the irrigation industry
		Completers will be able to properly repair a PVC piping system used in Irrigation.
AGOR 64 (VOC)	**Landscape Irrigation - Drip and Low Volume**	Completers will be able to install a proper drip irrigation system.
		70% of the completers will be able identify basic components used for drip installations
		Course completers will be able to evaluate a site and develop a functional drip/low flow design that meets client
AGOR 71 (VOC)	**Landscape Construction Fundamentals**	Identify and correctly use the proper tool needed for landscape projects.
		Undersatand basic electrical concepts for low voltage landcape lighting projects
		Students will prepare site and properly install bricks on sand for a walkway project.

AGOR 72 (VOC)	**Landscape Hardscape Applications**	Completers will calculate electical loads for a low voltage lighting system.
		Student will design and estimate materials needed for a block wall project.
AGOR 73 (VOC)	**Landscaping Laws, Contracting, and Estimating**	Students completing AGOR 73 will be able to organize and estimate labor and materials needed to complete a landscape project
		Students completing AGOR 73 will be able to prepare and implement a Home Improvement Contract.
		Students successfully completing this course will be able to compose suitable mission and vision statements for their fictitious or actual businesses.
AGOR 75 (VOC)	**Urban Arboriculture**	Course completers will be able to demonstrate proper use of Personal Protective Equipment.
		Course completers will be able to describe proper safety techniques for use in arboriculture practices.
		Students completing this course will be able to demonstrate proper pruning skills for pruning woody trees and
		Students will be able to explain the nutritional needs of trees.
AGOR 91	**Work Experience in Nursery Operations**	Employers of Horticulture Work Experience Students will rate the work habits of their students as above
		Employers of HorticultureWork Experience Students will rate the technical skills of their students as above
AGPE 70 (VOC)	**Pet Shop Management**	Students will be able to merchandise over 25 different pet industry products in a small pet shop environment.
		Students will be able to sketch out a working pet shop layout and label different items such as animal cages, product merchandising, and cashier station.
AGPE 71 (VOC)	**Canine Management**	Students will be able to identify various canine behavioral problems and suggest corrective treatment.
		Students will prepare and present an oral report in class on a certrain breed of dog, the presentation will be evaluated by set criteria.
		The student will describe the most common canine diseases, explain the symptoms and identify the proper preventive vaccinations.
AGPE 72 (VOC)	**Feline Management**	Students will be able to identify fifteen purebred breeds of cats when given a slide show quiz, which will be evaluated by set criteria.
		Students will search the internet and other sources to create a oral presention on a domestic or wild breed of cat. This presentation will be evaluated by set criteria
AGPE 73 (VOC)	**Tropical and Coldwater Fish Management**	Students will be able to identify 20 different species of fish (both tropical and coldwater).
		Students will be able to identify 7 different species of fish (both tropical and coldwater).
		Students will be able to write down the appropriate feed necessary for two different species of fish (one tropical and one coldwater).

AGPE 74 (VOC)   **Reptile Management**   Students will be able to offer a presentation regarding one North American Reptile including habitat and

Students will present a 10 minute visual presentation on a specific reptilian disease in front of the class.

AGPE 76 (VOC)   **Aviculture - Cage and Aviary Birds**   Students completing this course will be able to assess the difference between normal and abnormal avian

Students will be able to explain and diagram the necessary aviary for a specific breed of bird.