

AGENDA
ANIMAL SCIENCE ADVISORY COMMITTEE MEETING
March 29, 2021

Chair(s): Audra Lopez & Jamie Phillips

❖ **Roll Call -- Committee Members**

- Introduction of Members
 - Jamie Phillips, Audra Lopez, Jennifer Loreda, Larry Poncetta, Mary Riley, Bruce Welch, Naomi Barnes, Jackie Jones, John Vitullo, Matthew Judd, Grace Asman, Christian Stoffers, Lou Jacobson, Susan Smith, Kim Miller

❖ **Review & Approve Minutes from Spring 2019**

- Grace Asman made a motion to approve the minutes, Jennifer Loreda seconded. The motion carried unanimously.

❖ **Old Business**

- Updates From Spring 2019:
 - No advisory meeting was held in 2020 due to the COVID-19 pandemic
- Perkins Acquisitions:
 - No new acquisitions were made in 2020.
- Calendar Updates:
 - Most events were canceled due to the COVID-19 pandemic.
- Completed Projects:
 - Re-landscaping around the horse arena & fixing drainage.
 - Re-configuring the shed row stalls (boarding area).
- Transition to Online Instruction:
 - No calendar updates because focus has been placed on transitioning to online instruction.

❖ **New Business**

- Calendar:
 - Student competitions were placed on hold due to the COVID-19 pandemic.
 - Audra Lopez explained background for Ag Field Day and Farm Day (traditionally co-hosted with Cal Poly Pomona) were typically held in April.
 - Plans to return to competition are unknown at this time.
 - Jamie Phillips explained the background and provided a summary of Farm Day
- Announcements:
 - Return to campus – 80:20:
 - The Mt. SAC President is optimistic and wants classes to return to campus at 80% capacity for fall 2021, dependent upon LA County guidance. Precautions are in place, including a vaccination mandate for employees. There will be a phased in approach; classified staff and managers will return in July, faculty in the fall.
 - Farm Planning Committee:
 - Some progress has been made reviewing farm budgets, animal numbers, and efficiency. There are a relatively large number of labs to be offered as animals are shared with the RVT program. The goal is to ensure we have enough resources to support lab courses, both short term and long term. The biggest challenge is to remain fiscally responsible while meeting student demand.
- Staffing Updates:
 - The Barn technician position was not filled, we will recruit in future.
 - We are currently in the process of hiring a horse training technician.

➤ Perkins Requests:

Funding/Fiscal
Perkins (VTEA) Requests for Animal Science (2021-2022)

Item	Cost
Student Assistants	\$ 13,020.00
CATA Summer Conference	\$ 2,200.00
Western Veterinary Conference	\$ 1,500.00
Mid Winter Institute	\$ 400.00
Professional Expert	\$ 2,500.00
Printing	\$ 855.00
Textbooks	\$ 1,286.00
Total	\$21,761.00

Funding/Fiscal
Perkins (VTEA) Equipment Requests for Animal Science (2021-2022)

Item	Cost
Microsoft Tablets	\$ 5,775.00
Swine – Livestock Scale	\$ 1,425.00
Horse Trailer	\$ 30,005.00
Lead or Hot Walker	\$ 27,389.00
Panel Walker	\$ 40,911.00
Equine Colic Model	\$ 36,355.00
Equine Venipuncture Model	\$ 17,985.00
Saddles	\$ 4,166.00
Aerway Pasture Aerator	\$ 16,502.00
D-S Livestock Equipment	\$ 19,535.00
Total	\$200,048.00

- Jamie Phillips explained that our core indicator needs this year are to help students gain employment. These funding requests are centered around addressing that need to help students meet the industry standards and curricular requirements.
 - Student assistants are important to help students meet AVMA requirements and get the hands-on instruction they need. We are requesting funding to meet these needs.
 - The CATA summer conference is a great way to stay relevant in the industry. A core indicator that needs improvement is student employment post-graduation. Other community colleges attend conferences and it will allow us to network with others within our discipline.
 - We need to hire a professional expert to design program brochures that reflect the revised curriculum and program changes. We plan to use the same person who revised the brochures for the RVT program.
 - We would like to keep textbooks on reserve in the library and TERC for student use as we do not currently have textbooks on reserve and the publisher does not provide copies for this purpose.
 - Equipment requests contain multiple items:

- ◆ Tablets can be used in labs to provide instant feedback for students for the accreditation skills checklist and to document herd health procedures performed in lab. This will also help with herd health management when we have software.
- ◆ Swine scale is the desired option as opposed to a full-sized livestock scale. It has dual usage: large enough to weigh sows, but can also restrain bred sows for ultrasound. Students would be able to obtain accurate weights to calculate proper medication dosages.
- ◆ Horse trailer will help to meet curricular needs for equine courses such as horse behavior and training. It will also help meet extracurricular needs for horse show transportation as well as emergency evacuation.
- ◆ Lead walkers are common in the industry and will help to meet curricular needs for equine courses by allowing students to learn skills that would be utilized in the industry.
- ◆ Panel walkers are becoming more common in the industry and will help to meet curricular needs for equine courses by allowing students to learn skills that would be utilized in the industry.
- ◆ Equine colic model will help meet curricular needs by illustrating the digestive function of the horse for the equine and RVT courses.
- ◆ Equine venipuncture models will help to meet curricular needs for the equine and RVT courses.
- ◆ Saddles are needed to meet curricular needs, two are needed to complete our class set.
- ◆ Aerator will be used for horse pasture management.
- ◆ D-S Livestock equipment is needed for the expansion of our sheep dry lot in order to better serve our students needs by expanding our lab facilities. This will create an additional lab facility for the sheep. This will also allow for expansion of the cattle dry lot.
- Grace moved, Mary 2nd to approve Perkins request. The motion carried unanimously.

❖ Unit Reports

➤ Current Animal Count:

Beef

Animal	Number of Head
Bull	1
Cows	30
Heifers	5
Steers	2
Calves	9

Sheep

Animal	Number of Head
Ram	1
Ewes	43
Yearling Ewes	28
Lamb Crop	51

Swine

Animal	Number of Head
Boar	1
Sows	7
Feeders	5

Equine

Animal	Number of Head
Stallions	1
Mares	11
Geldings	6
Boarders	2
Potential Purchase	1

➤ Project Needs and/or Concerns:

- Current Needs:
 - Susan Smith reported that 2 horse pastures have been planted with permanent pasture. The pasture had grown so tall that the cattle were sent in to graze it down.
 - Installation of automatic water is complete in the mare motel. This will reduce labor.
 - Larry reported that some grading has been done in the area where the new sheep dry lot facility will be located. No retaining walls are in place.

- Future Needs:
 - Upgrading sow pens: Jamie Phillips explained that this is an ongoing need and has been in Program Institutional Effectiveness (PIE). Audra Lopez explained that in PIE, we have prioritized the maintenance and renovation of the sow facility in smaller phases that are more economically feasible to be implemented on a yearly basis.
 - ◆ More focus will be placed on this need. We have a nice indoor facility with a lab room and market facility. Sow facility/sow pens have not been renovated and are in need. It is difficult for day-to-day and lab operations and is a safety hazard for students in lab, as well as employees.
 - ◆ John Vitullo and Matt Judd shared that they understand our needs and when it comes time to prioritize for funding, they fight hard on our behalf.
 - Audra Lopez reported that the equine unit main barn walls are deteriorating. Stall mats will decrease need for long term maintenance of flooring.
 - Farm Road needs repairs. We will wait for an update from Bruce Carleton.
 - A Livestock production assistant has been in PIE for many years and is needed to help run the animal lab facilities. This is in addition to setting up labs and assisting students. This is a significant need to help manage the farm.
 - ◆ The focus will be on hiring someone with swine experience to help run the swine facility.

➤ Farm Project Costs:

Funding/Fiscal

Farm Projects: Estimated Budget Projections (2021-2022)

Project	Cost
Pasture Renovation Pasture Equine (Fence & Irrigation)	\$30,000
Farm Storage (2 nd Hay Barn)	\$60,000
Swine Unit – Overhaul of Sow Pen (Phase 1)	\$40,000
Sheep Dry Lot	\$28,000
Farm Access Road Improvements	\$100,000 (10 phases – 10K per year)
Estimated Total	\$ 258,000.00

❖ Curriculum Updates

- The AST Degree is awaiting board approval.
- Animal Science Degree:
 - Jamie Phillips reviewed the ongoing curricular changes, including degree changes. These changes were made in an effort to create an Animal Science Degree. Students can then choose to transfer or seek employment.
 - The Livestock Management Degree has been renamed to the Animal Science Degree.
 - In addition to the degree change, all previous course prefixes (AGAN, AGLI, AGAG) were changed to ASCI to make it easier for students to identify a clear pathway to complete coursework. All of the courses are approved for catalog.
- Equine Science:
 - Jennifer Loredo gave a brief overview of plans to revise equine curriculum.

- Horse Ranch Management degree to potentially become Equine Science Degree to align with state curriculum.
- She also proposed creating a sub-committee which would help advise with the revisions of the equine curriculum.
 - ◆ The first step to the revision process would be the exploration process. Jennifer proposed that faculty research and visit surrounding local equine programs, surrounding educational equine facilities throughout the state, and industry professionals. Travel would be necessary to facilitate this research.
 - ◆ Once data and information is collected Jennifer will bring back the information to the sub-committee. Then the process can begin and Jennifer will start to make curricular changes/revisions under the advisement of the committee.
- Jamie Phillips stated that while we are looking to make purchases for equipment to enhance the equine program, we are not in a rush to make any un-necessary purchases that do not align with current curricular needs. Especially, since we are going to be making curricular changes, so we don't want to, "put the cart before the horse".
- The committee supports and recommends the faculty research and visit surrounding local equine programs, surrounding educational equine facilities throughout the state, and industry professionals as the initial step for the equine program review/revision.
- Grace Asman moved to approve, Mary Riley seconded. The motion carried unanimously.
- Addressing Other Curricular Needs:
 - Return to Campus:
 - We will need to offer more labs for potential return in the fall.
 - ◆ Ideas include team teaching and hybrid lab courses. Benefits include more student access to courses. Dr. Kim Miller reported these procedures work well at Cal Poly Pomona and offered to share tips with the faculty.
 - ◆ Mary Riley mentioned that online and hybrid courses would be great for dual enrollment courses. These courses are highly sought after and are preferred over articulation.

❖ Additional Agenda Items

- Open Discussion:
 - Jackie Jones reiterated Mary's comment that dual enrollment coursework is preferred over articulation.
 - Jackie also mentioned that dual enrollment courses could be utilized by high school agricultural programs as this would allow students to fully complete an instructional pathway.
 - Jackie made a request to resume Field Day as it benefits high school students and allows them to see more agricultural programs without traveling.
- Meeting Adjourned

Amendment to the Animal Science Advisory Minutes from 3/29/21

This amendment was sent out to the advisory committee on June 16, 2021 for review. The amendment was approved as written by the committee on June 25th, 2021.

Current Curriculum ASSOCIATE IN SCIENCE DEGREE MAJORS IN LIVESTOCK MANAGEMENT (20103)

SUGGESTED CHANGES ASSOCIATE IN SCIENCE DEGREE MAJORS IN **ANIMAL SCIENCE (ASCI)**

❖ Requirements for the Major:

AGAB 20	Microcomputer Applications in Agriculture
AGAG 1	Food, Land Use and Politics—A Global Perspective
AGAG 59 <u>or</u> 60 <u>or</u> 61 <u>or</u> 62	Work Experience in Agriculture
AGAG 91	Agricultural Calculations
AGAN 1	Animal Science
AGAN 2	Animal Nutrition
AGAN 94	Animal Breeding
AGLI 14	Swine Production
AGLI 16	Horse Production
AGLI 17	Sheep Production
AGLI 30	Beef Production
AGLI 34	Livestock Judging & Selection
AGLI 96	Animal Sanitation & Disease Control

PLUS

Select six [6] units from the following:

AGOR 53	Small Engine Repair 1
AGOR 71	Landscape Construction Fundamentals
<u>BUSM 20</u>	Principles of Business
<u>BUSM 66</u>	Small Business Management
BUSS 35	Professional Selling
BUSS 36	Principles of Marketing

❖ Requirements for the Major:

COURSE ID:	COURSE NAME:	UNITS
ASCI 59 or 60 or 61 or 62	Work Experience in Agriculture	1 – 4
ASCI 1	Animal Science	3
ASCI 2	Animal Nutrition	3
ASCI 14	Swine Production	3
ASCI 17	Sheep Production	3
ASCI 30	Beef Production	3
ASCI 96	Animal Sanitation and Disease Control	3
ASCI 97	Artificial Insemination of Livestock	3

❖ PLUS:

o Select six [6] units from the following:

COURSE ID:	COURSE NAME:	UNITS
ASCI 51	Animal Handling & Restraint	3
ASCI 94	Animal Breeding	3
ASCI 12	Exotic Animal Management	3
ASCI 16	Horse Production and Management	4
ASCI 18	Horse Ranch Management	4
ASCI 19	Horse Hoof Care	2
ASCI 20	Horse Behavior and Training	2
ASCI 34	Livestock Judging and Selection	2
AGOR 51	Tractor and Landscape Equipment Operations	3
AGOR 53	Small Engine Repair 1	3
AGOR 63	Landscape Irrigation Systems Management	3
ASCI 71	Canine Management	3
ASCI 72	Feline Management	3
ASCI 73	Tropical and Coldwater Fish Management	2
ASCI 74	Reptile Management	2
ASCI 76	Aviculture – Cage and Aviary Birds	3
WELD 40	Introduction to Welding	2

❖ PLUS:

o Select three [3] units from the following:

COURSE ID:	COURSE NAME:	UNITS
BUSM 20	Principles of Business	3
BUSM 66	Small Business Management	3
BUSS 35	Professional Selling	3
BUSS 36	Principles of Marketing	3

Current Certificate:
Animal Science Fundamental (Skills Certificate)

SUGGESTED CHANGES:
Animal Science Fundamental (**Certificate of Achievement**)

Required Courses

Course Prefix	Course Name	Units
AGAN 1	Animal Science	3
AGAN 2	Animal Nutrition	3
AGAN 51	Animal Handling and Restraint	3
AGAN 94	Animal Breeding	3
AGLI 96	Animal Sanitation and Disease Control	3
Total Units		15

<u>Course ID:</u>	<u>Course Name:</u>	<u>Units</u>
AGAG 1 OR ASCI 97	Food, Land Use and Politics—A Global Perspective OR Artificial Insemination of Livestock	3 OR 2
ASCI 1	Animal Science	3
ASCI 2	Animal Nutrition	3
ASCI 51 OR ASCI 14,17,30	Animal Handling & Restraint OR Swine Production, or Sheep Production, or Beef Production	3 OR 3
ASCI 94	Animal Breeding	3
ASCI 96	Animal Sanitation & Disease Control	3

The information outlined above, reflects all the course and prefix changes made to the animal science associates degree and the animal science fundamentals certificate. The specific changes have been highlighted in yellow to make them easier to identify.

The livestock management degree has been retitled and changed into the animal science degree. The degree now contains more courses to choose from in the required electives section, which allows students to choose courses suited towards their specialty or preference. All prefixes specifically pertaining to animal science: AGAG, AGLI, AGAN, AGPE have now been changed to the single prefix of ASCI, which provides students with a clear educational pathway.

We are seeking approval for the proposed changes to the animal science degree and the animal science fundamentals certificate of achievement which have been outlined above.

Additionally, we are seeking approval to modify all prefixes specifically pertaining to animal science: AGAG, AGLI, AGAN, AGPE for the degrees and certificates offered in our Agricultural Sciences Program (listed below).

Current Degrees & Certificates Available in the Animal Science Program:



Animal Sciences

Agri-Technology Degree

Horse Ranch Management Degree

Livestock Management Degree

Animal Science Fundamentals Certificate

Horse Management Level I Certificate

Horse Management Level II Certificate

Livestock Production Management Certificate

Pet Science Certificate



Vet-Tech

Registered Veterinary Technology Degree