

Instructional Program Review 2019/20 UPDATE

Animal Health Technology

**Created on: 09/06/2019 11:33:00 AM PST
Last Modified: 02/10/2020 04:19:55 PM PST**

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General Information (Instructional Program Review 2019/20 UPDATE)

2019/20 Instructional Program Review

SUBMISSION INFORMATION AND UPDATES (REQUIRED)

- Name of Lead Writer: Jeaneal Davis
- Name of Liaison: Monica Romero
- Department Co-Chairs: Danielle Lauria and Christine Balderas
- Name of Manager/Service Area Supervisor: Dean Tina Recalde
- Is this a CTE program? Yes

Animal Health Technology Program Update:

San Diego Mesa College's Animal Health Technology Program and its faculty are committed to provide our students with an inclusive learning environment that will foster student learning, workforce training, and the development of critical skills and knowledge needed to become a valued member of the Veterinary Health Care Team. Our program provides the opportunity for our students to practice the skills needed to care for a variety of animal species. We provide our students with a solid foundation of knowledge and training needed to be a successful Veterinary Technician. Our faculty and staff cultivate lifelong learning, and we empower our students to reach their educational goals.

We are fortunate to have San Diego Mesa College administration's full support as we move closer to national accreditation. In the summer, of 2019 we applied for American Veterinary Medical Association (AVMA) accreditation. AVMA accreditation is considered the highest standard of achievement for veterinary medical education in the United States. It will help us serve our community needs and provide our students with more career opportunities. In preparation to meet our accreditation requirements we hired new adjunct faculty, continue to support our faculty and staff with access to industry specific continuing education conference travel, and utilized Perkins funds to purchase necessary veterinary equipment.

Our program challenges include a high number of adjunct faculty causing difficulties in continuity of instruction and scheduling of classes as we have to work around their schedules. We currently have a full time faculty member serving as an assistant professor and program director. Therefore, she is unable to carry a full teaching load. Another challenge is our curriculum is in need of a comprehensive review however, we suggest that not happen until after AVMA accreditation has been achieved. We are also in need of facility and equipment updates to include resurfacing the parking lot, a remodel of our darkroom to provide a multiuse space for instruction, lighting and ventilation upgrade of P500, and we requested a site improvement for our parking lot gate. Finally, due to a recent nearby fire it has come to our attention that a livestock trailer is needed to provide a means to move our resident and visiting hoof stock animals.

Our program has many strengths. Student interest in our program continues to increase. We have 130 new student applications for the 32 open spots to start fall of 2020. We had four information sessions this year with about 20 to 30 people in attendance at each one. Another program strength is above average Veterinary Technician National Exam (VTNE) pass rates. Over the last three years our graduates have averaged 95% on the VTNE. We have been able to update and acquire much needed equipment over the year through Perkins funding. This includes portable digital x-ray system, heated animal cages, urine sediment analyzer, X-ray personal protective equipment, and a cattle chute. This allows us to expose our students to materials and equipment they will see as they enter into practices for their internships and future employment. Finally, new faculty have brought in much needed expertise in government regulations, testing applications and

accreditation standards. This will be very helpful as the program moves forward toward AVMA accreditation. Our reputation in the local veterinary field is high as is the demand for our interns and graduates.

OUTCOMES AND ASSESSMENT (REQUIRED)

Form: 2019/20 Program Review Outcomes and Assessment Section (See appendix)

PROGRAM ANALYSIS FOR EQUITY AND EXCELLENCE (REQUIRED)

Form: 2019/20 Program Review Instructional Program Analysis Section (See appendix)

File Attachments:

1. **Equity Gap- ANHL 145 FA 14_15_16.pdf**
.....
2. **Equity Gap- ANHL 145 FA 17_18.pdf**
.....
3. **Equity Gap- ANHL 155 FA 17_18.pdf**
.....
4. **Equity Gap-ANHL 155 FA_14_15_16.pdf**
.....
5. **Student Characteristics ethnicity.pdf**
.....

PROGRAM GOALS (REQUIRED)

Increase student enrollment

Actively participate in Community Outreach

Collaborate with our Work-based Learning Coordinator and our Outreach and Community relations department to develop opportunities to invite local high school students to explore our program. 2019 Update: In April and August 2019 our program participated in the San Marcos School District's Future Fair. During the event we talked to an estimated 30 to 50 interested individuals and we collected 30 contact emails. In October 2019 we invited the community to visit our facilities and learn about our program.

Mapping

CA- Mesa College Strategic Directions and Goals: Strategic Goal 1.2, Strategic Goal 2.1, Strategic Goal 2.2, Strategic Goal 3.1, Strategic Goal 3.2, Strategic Goal 3.3,

CTE 2018/19: Perkins Core Indicator Activity 1, Perkins Core Indicator Activity 3, Perkins Core Indicator Activity 4, Perkins Core Indicator Activity 5, Perkins Permissive Use 10.1, Perkins Permissive Use 10.17, Perkins Permissive Use 10.2, Perkins Permissive Use 10.20, Perkins Permissive Use 10.3, Perkins Permissive Use 10.4, Perkins Permissive Use 10.5, Perkins Permissive Use 10.6, Perkins Requirement 3, Perkins Requirement 9, Strong Workforce Recommendation 1, Strong Workforce Recommendation 2, Strong Workforce Recommendation 3

Regain AVMA Accreditation

Completion of AVMA Self Study by Fall 2019

In order to regain American Veterinary Medical Association (AVMA) Accreditation we must complete a comprehensive program and facilities self evaluation. Our goal is to complete the Self-Study by Fall 2019. 2019 Update: At this time we are currently in progress. During the summer with the support of strong workforce funds faculty members worked on several sections of the self-study. In August our application for accreditation was submitted. Currently, we are awaiting scheduling our site visit.

Mapping

CA- Mesa College Strategic Directions and Goals: Strategic Goal 1.1, Strategic Goal 1.2, Strategic Goal 1.4, Strategic Goal 3.2, Strategic Goal 3.3, Strategic Goal 4.1, Strategic Goal 4.2, Strategic Goal 5.1, Strategic Goal 5.2, Strategic Goal 6.2, Strategic Goal 6.3,

CTE 2018/19: Perkins Core Indicator Activity 1, Perkins Core Indicator Activity 2, Perkins Core Indicator Activity 3, Perkins Core Indicator Activity 4, Perkins Core Indicator Activity 5, Perkins Core Indicator Activity 6, Perkins Permissive Use 10.1, Perkins Permissive Use 10.17, Perkins Permissive Use 10.2, Perkins Permissive Use 10.3, Perkins Permissive Use 10.4, Perkins Permissive Use 10.5, Perkins Requirement 4, Perkins Requirement 1, Perkins Requirement 3, Perkins Requirement 9, Strong Workforce Recommendation 1, Strong Workforce Recommendation 2, Strong Workforce Recommendation 3, Strong Workforce Recommendation 7, Strong Workforce Recommendation 8, Strong Workforce Recommendation 9,

Institutional Learning Outcomes 2016/17: Communication, Critical Thinking, Information Literacy

ACTION PLANS FOR GOALS (REQUIRED)

Actions

Increase student enrollment

Goal

Goal: Actively participate in Community Outreach

Collaborate with our Work-based Learning Coordinator and our Outreach and Community relations department to develop opportunities to invite local high school students to explore our program.

2019 Update:

In April and August 2019 our program participated in the San Marcos School District's Future Fair. During the event we talked to an estimated 30 to 50 interested individuals and we collected 30 contact emails.

In October 2019 we invited the community to visit our facilities and learn about our program.

Action: Community Outreach

Describe the actions needed to achieve this objective:	Establish a collaboration with the San Marcos School District and the Health Occupation Center in Santee to develop possible articulation agreements or dual enrollment
Who will be responsible for overseeing the completion	Animal Health Technology Program Director

of this objective:

Provide a timeline for the actions:	December 2020
Describe the assessment plan you will use to know if the objective was achieved and effective:	Attend a San Marcos School District meeting scheduled in March 2020. Attend the Health Occupation Center's Advisory Committee meeting.
List resources needed to achieve this objective and associated costs (Supplies, Equipment, Computer Equipment, Travel & Conference, Software, Facilities, Classified Staff, Faculty, Other):	None

Regain AVMA Accreditation

Goal

Goal: Completion of AVMA Self Study by Fall 2019

In order to regain American Veterinary Medical Association (AVMA) Accreditation we must complete a comprehensive program and facilities self evaluation. Our goal is to complete the Self-Study by Fall 2019.

2019 Update:

At this time we are currently in progress. During the summer with the support of strong workforce funds faculty members worked on several sections of the self-study. In August our application for accreditation was submitted. Currently, we are awaiting scheduling our site visit.

Action: AVMA Self Study Completion

Describe the actions needed to achieve this objective:	Completion of the Animal Health Technology program self study.
Who will be responsible for overseeing the completion of this objective:	Animal Health Technology Program Director
Provide a timeline for the actions:	June 2020
Describe the assessment plan you will use to know if the objective was achieved and effective:	Develop an Animal Health Technology Accreditation Committee composed of Animal Health Technology faculty members. Conduct monthly meeting to assess task progress.
List resources needed to achieve this objective and associated costs (Supplies, Equipment, Computer	None

Equipment, Travel & Conference, Software, Facilities, Classified Staff, Faculty, Other):

GOAL STATUS REPORT (REQUIRED)

Action Statuses

Increase student enrollment

Goal

Goal: Actively participate in Community Outreach

Collaborate with our Work-based Learning Coordinator and our Outreach and Community relations department to develop opportunities to invite local high school students to explore our program.

2019 Update:

In April and August 2019 our program participated in the San Marcos School District's Future Fair. During the event we talked to an estimated 30 to 50 interested individuals and we collected 30 contact emails.

In October 2019 we invited the community to visit our facilities and learn about our program.

Action: Community Outreach

Describe the actions needed to achieve this objective:	Establish a collaboration with the San Marcos School District and the Health Occupation Center in Santee to develop possible articulation agreements or dual enrollment
Who will be responsible for overseeing the completion of this objective:	Animal Health Technology Program Director
Provide a timeline for the actions:	December 2020
Describe the assessment plan you will use to know if the objective was achieved and effective:	Attend a San Marcos School District meeting scheduled in March 2020. Attend the Health Occupation Center's Advisory Committee meeting.
List resources needed to achieve this objective and associated costs (Supplies, Equipment, Computer Equipment, Travel & Conference, Software, Facilities, Classified Staff, Faculty, Other):	None

Status for Community Outreach

Current Status: In Progress

If the Current Status was marked Completed, what was the impact of the completed objective on your program:

If the Current Status was not marked Completed, what are the implications and next steps:

Our goal to increase student enrollment is an ongoing process. Participation in outreach/community events is one way to reach our goal. Our program census in Fall 2018 was 48 and our census in Fall 2019 is 53. The next step is to develop a tracking system to assess how many new students attended one of the outreach/community events.

Regain AVMA Accreditation

Goal

Goal: Completion of AVMA Self Study by Fall 2019

In order to regain American Veterinary Medical Association (AVMA) Accreditation we must complete a comprehensive program and facilities self evaluation. Our goal is to complete the Self-Study by Fall 2019.

2019 Update:

At this time we are currently in progress. During the summer with the support of strong workforce funds faculty members worked on several sections of the self-study. In August our application for accreditation was submitted. Currently, we are awaiting scheduling our site visit.

Action: AVMA Self Study Completion

Describe the actions needed to achieve this objective:	Completion of the Animal Health Technology program self study.
Who will be responsible for overseeing the completion of this objective:	Animal Health Technology Program Director
Provide a timeline for the actions:	June 2020
Describe the assessment plan you will use to know if the objective was achieved and effective:	Develop an Animal Health Technology Accreditation Committee composed of Animal Health Technology faculty members. Conduct monthly meeting to assess task progress.
List resources needed to achieve this objective and associated costs (Supplies, Equipment, Computer Equipment, Travel & Conference, Software, Facilities, Classified Staff,	None

Faculty, Other):

Status for AVMA Self Study Completion

Current Status: In Progress

If the Current Status was marked Completed, what was the impact of the completed objective on your program:

If the Current Status was not marked Completed, what are the implications and next steps:

The AVMA self study is in progress. Several sections of the self study are complete. The next step as we await for the official site visit date is to develop a Animal Health Technology committee to assess our progress and develop a timeline for completion.

Request Forms

CLASSIFIED POSITION, BARC AND FACULTY POSITION REQUEST

Reviewers

LIAISON'S REVIEW

Form: Instructional Program Liaison's Review 2019/20 UPDATE

MANAGER'S REVIEW

Form: Instructional Program Manager's Review 2019/20 UPDATE

Appendix

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- A. **2019/20 Program Review Outcomes and Assessment Section** (Form)
 - B. **2019/20 Program Review Instructional Program Analysis Section** (Form)
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Form: "2019/20 Program Review Outcomes and Assessment Section"

Created with : Taskstream

Participating Area: Animal Health Technology

(REQUIRED) Program name

Animal Health Technology Program

(REQUIRED) Are you on target with your assessment schedule?

Yes, We are on target. This semester we will evaluate ANHL 100A and ANHL 145 per our assessment schedule.

(REQUIRED) What have your assessments revealed about your courses/programs/service area/school/division/office?

In 2019 ANHL 229 and 145 were assessed:

The assessment outcome for ANHL 229 is based on clinical mastery. The results for ANHL 229 revealed that 100% of the students exceeded course expectations.

The assessment outcome for ANHL 145 is based on achieving a 75% or better on the final exam. The results for ANHL 145 revealed 50% of the students passed the final exam with a 75% or better.

(REQUIRED) Based on your assessments, what resource needs have you identified?

Our students would benefit from workshops that develop basic study, time management skills, advanced teaching tools, and industry standard equipment. Our students would also benefit from tutors that are specifically trained to help allied health students.

Please provide any other comments.

No answer specified

Form: "2019/20 Program Review Instructional Program Analysis Section"

Created with : Taskstream

Participating Area: Animal Health Technology

Program Name

(REQUIRED) Type your program name.

Animal Health Technology Program

Part A: In this section, please analyze your program in terms of course success metric. Start by disaggregating the available data by race, gender, and any other parameters of interest to your program and answer the following questions.

(REQUIRED) A1. What patterns do you notice with regard to equity in course success at the program level by race/ethnicity?

You may also conduct analysis by course and/or by modality.

Equity Gap: When a group of students who share a common characteristic (e.g. race/ethnicity) have lower access and/or outcome rates than their peers. The size of the equity gap along with the size of the group determine whether that gap is significant. Larger groups should, statistically, have smaller gaps and therefore when gaps are present (even small ones) they may be significant. Smaller groups will see wider variation in outcomes, therefore gaps should be seen consistently over time and/or reviewed by looking at multiple years in aggregate to determine if they are significant.

In terms of course success the data shows ANHL 145/145L and 155/155L courses fell below the reference line.

(REQUIRED) A2. Do these patterns persist over time (e.g., look at the last five years)? Describe if equity gaps are increasing, decreasing, or staying the same?

Yes, the equity gap appears to be increasing regarding ANHL 155/155L the course success rate for the latinx group. From Fall 2014 to Fall 2016 there was no equity gap. In the Fall of 2017 to 2018 there is a 9% equity gap. There is an overall 9% increase since 2016.

Also, the equity gap appears to be increasing regarding ANHL 145/145L the course success rate for the latinx group. From Fall 2014 to Fall 2016 the equity gap was 4%. In the fall of 2017 to 2018 the equity gap is 7%. There is an overall 3% increase since 2016.

Finally, the percentage of Latinx students in the program has been increasing over the last 5 years.

(REQUIRED) A3. What factors may have influenced these results? What are your most significant findings?

Factors that may influence these results would include changes in faculty teaching the courses. Our full time faculty member retired in 2016. Since then the program utilized adjunct faculty. Adjunct faculty are limited in time and resources to provide

individualized help for certain student groups. In the fall 2018 one full time faculty member was hired to provide consistency and support for the students.

The most significant findings is the equity gap is found in the latinx population and the 18 to 24 age group.

(REQUIRED) A4. How have you/might you alter practices to increase student success and reduce equity gaps?

1) It has been challenging for our institution to provide appropriate study and or tutoring resources for the students in the animal health technology program. We continually seek graduates of our program to tutor current students. This year we would like to meet with current biology tutors in an effort to develop a qualified animal health technology tutor from the existing tutors.

2) Providing our students with access to industry standard veterinary equipment and advanced teaching tools will lead to student success and reduce the equity gaps.

3) A full-time RVT faculty member would greatly improve student success. As we pursue AVMA accreditation, we will be required to have one full-time RVT faculty member by Fall 2021.

(REQUIRED) A5. How does your program contribute to the College's identity of being a Hispanic Serving Institution?

The animal health technology program student population in 2018 to 2019 is 43% latinx.

(REQUIRED) A6. Have you identified resource needs? If yes, please list.

Yes, the following resources will provide our students with access to industry standard veterinary equipment, advanced teaching tools, and appropriate faculty and staff support. The resources will improve student retention and success and will ultimately address the equity gaps.

- a. IV warmers: To provide industry standard veterinary equipment.
- b. Dog skulls an advanced teaching tool for dentistry.
- c. Synthetic anatomical models. Advanced teaching tool.
- d. Audio visual update: To provide interactive teaching equipment for clinical pathology laboratory
- e. A full-time faculty member

(REQUIRED) A7. Do any of your program goals address these implications or needs? If not, please develop a new goal that addresses your findings and subsequent reflection.

No, based on the equity findings our new goal is to improve student retention and success by providing students with program specific tutors, providing our students with access to industry standard veterinary equipment, and advanced teaching tools to enhance student engagement and learning.

Part B: In this section, look at the area of focus you identified in last year's program review and answer the following questions.

(REQUIRED) B1. How have you developed this focus? Are you seeing any results? What are your next steps?

One area of focus from last year's program review was to increase student enrollment. We successfully increased our Fall 2019 First year student census from 24 to 30 students. Our next step is to provide appropriate support to ensure student success.