

CALIFORNIA STATE POLYTECHNIC UNIVERSITY, POMONA  
ACADEMIC SENATE

ACADEMIC PROGRAMS COMMITTEE  
REPORT TO  
THE ACADEMIC SENATE  
AP-034-167

MINOR IN ANIMAL AND VETERINARY SCIENCE FOR SEMESTERS

Academic Programs Committee

Date: 11/15/2016

Executive Committee  
Received and Forwarded

Date: 11/16/2016

Academic Senate

Date: 11/30/2016  
First Reading

BACKGROUND: The Department of Animal and Veterinary Science has put forward a referral for a Minor in Animal and Veterinary Science for semesters. This is a revised program. The name of the minor has been changed from 'Animal Science' minor. The curriculum was directly converted. 'Veterinary' was added to the name because the department teaches both animal science as well as veterinary science. Using 'Animal and Veterinary' in the title of the minor is intended to better reflect the breadth of the minor.

RESOURCES CONSULTED:

Deans  
Associate Deans  
Department Chairs  
All Faculty

DISCUSSION:

Before reaching the Academic Programs Committee, this program was reviewed by the College Curriculum Committee in the College of Agriculture as well as the Dean of Agriculture and the Office of Academic Programs. All concerns raised at those levels were addressed. The Academic Programs Committee then conducted campus-wide consultation, as well as its own review of the program. No concerns were raised.

RECOMMENDATION:

The Academic Programs Committee recommends approval of the semester program Minor in Animal and Veterinary Science.

| <b>Animal &amp; Veterinary Science Minor: 33 Units</b>               |   |                                  |  |  |                         |             |          |          |                                |   |          |                        |     |           |                            |     |          |                             |     |           |                                 |     |            |                                  |   |                      |  |     |             |                        |     |             |                         |     |          |                 |     |             |              |     |              |                 |     |              |               |     |          |   |     |          |                         |   |  |  |  |  |  |  |
|--|---|----------------------------------|--|--|-------------------------|-------------|----------|----------|--------------------------------|---|----------|------------------------|-----|-----------|----------------------------|-----|----------|-----------------------------|-----|-----------|---------------------------------|-----|------------|----------------------------------|---|----------------------|--|-----|-------------|------------------------|-----|-------------|-------------------------|-----|----------|-----------------|-----|-------------|--------------|-----|--------------|-----------------|-----|--------------|---------------|-----|----------|---|-----|----------|-------------------------|---|--|--|--|--|--|--|
| <b>Status</b>  | active  |                                  |  |  |                         |             |          |          |                                |   |          |                        |     |           |                            |     |          |                             |     |           |                                 |     |            |                                  |   |                      |  |     |             |                        |     |             |                         |     |          |                 |     |             |              |     |              |                 |     |              |               |     |          |   |     |          |                         |   |  |  |  |  |  |  |
| <b>Hierarchy Entities</b>  | Animal and Veterinary Science   |                                  |  |  |                         |             |          |          |                                |   |          |                        |     |           |                            |     |          |                             |     |           |                                 |     |            |                                  |   |                      |  |     |             |                        |     |             |                         |     |          |                 |     |             |              |     |              |                 |     |              |               |     |          |   |     |          |                         |   |  |  |  |  |  |  |
| <b>Approval Process Name</b>   | I. Program - Q2S Existing Program/Option/Minor  |                                  |  |  |                         |             |          |          |                                |   |          |                        |     |           |                            |     |          |                             |     |           |                                 |     |            |                                  |   |                      |  |     |             |                        |     |             |                         |     |          |                 |     |             |              |     |              |                 |     |              |               |     |          |   |     |          |                         |   |  |  |  |  |  |  |
| <b>Current Step</b>  | Office of Academic Programs   |                                  |  |  |                         |             |          |          |                                |   |          |                        |     |           |                            |     |          |                             |     |           |                                 |     |            |                                  |   |                      |  |     |             |                        |     |             |                         |     |          |                 |     |             |              |     |              |                 |     |              |               |     |          |   |     |          |                         |   |  |  |  |  |  |  |
| <b>Originator</b>  | Broc Sandelin   |                                  |  |  |                         |             |          |          |                                |   |          |                        |     |           |                            |     |          |                             |     |           |                                 |     |            |                                  |   |                      |  |     |             |                        |     |             |                         |     |          |                 |     |             |              |     |              |                 |     |              |               |     |          |   |     |          |                         |   |  |  |  |  |  |  |
| <b>Created</b>   | 12/14/2015 02:25PM  |                                  |  |  |                         |             |          |          |                                |   |          |                        |     |           |                            |     |          |                             |     |           |                                 |     |            |                                  |   |                      |  |     |             |                        |     |             |                         |     |          |                 |     |             |              |     |              |                 |     |              |               |     |          |   |     |          |                         |   |  |  |  |  |  |  |
| <b>Launched</b>  | 12/15/2015 02:37PM  |                                  |  |  |                         |             |          |          |                                |   |          |                        |     |           |                            |     |          |                             |     |           |                                 |     |            |                                  |   |                      |  |     |             |                        |     |             |                         |     |          |                 |     |             |              |     |              |                 |     |              |               |     |          |   |     |          |                         |   |  |  |  |  |  |  |
| <b>Form</b>  |   |                                  |  |  |                         |             |          |          |                                |   |          |                        |     |           |                            |     |          |                             |     |           |                                 |     |            |                                  |   |                      |  |     |             |                        |     |             |                         |     |          |                 |     |             |              |     |              |                 |     |              |               |     |          |   |     |          |                         |   |  |  |  |  |  |  |
| <b>General Catalog Information</b>                                   |   |                                  |  |  |                         |             |          |          |                                |   |          |                        |     |           |                            |     |          |                             |     |           |                                 |     |            |                                  |   |                      |  |     |             |                        |     |             |                         |     |          |                 |     |             |              |     |              |                 |     |              |               |     |          |   |     |          |                         |   |  |  |  |  |  |  |
| <b>Department</b>  | Animal and Veterinary Science   |                                  |  |  |                         |             |          |          |                                |   |          |                        |     |           |                            |     |          |                             |     |           |                                 |     |            |                                  |   |                      |  |     |             |                        |     |             |                         |     |          |                 |     |             |              |     |              |                 |     |              |               |     |          |   |     |          |                         |   |  |  |  |  |  |  |
| <b>Conversion Category:</b>  | Directly Converted  |                                  |  |  |                         |             |          |          |                                |   |          |                        |     |           |                            |     |          |                             |     |           |                                 |     |            |                                  |   |                      |  |     |             |                        |     |             |                         |     |          |                 |     |             |              |     |              |                 |     |              |               |     |          |   |     |          |                         |   |  |  |  |  |  |  |
| <b>Proposal Type:</b>  | Minor   |                                  |  |  |                         |             |          |          |                                |   |          |                        |     |           |                            |     |          |                             |     |           |                                 |     |            |                                  |   |                      |  |     |             |                        |     |             |                         |     |          |                 |     |             |              |     |              |                 |     |              |               |     |          |   |     |          |                         |   |  |  |  |  |  |  |
| <b>Describe or list changes</b>                                      | Direct Conversion   |                                  |  |  |                         |             |          |          |                                |   |          |                        |     |           |                            |     |          |                             |     |           |                                 |     |            |                                  |   |                      |  |     |             |                        |     |             |                         |     |          |                 |     |             |              |     |              |                 |     |              |               |     |          |   |     |          |                         |   |  |  |  |  |  |  |
| <b>Semester Program Name (e.g. Biology, B.S., Art History, B.A.)</b> | Animal & Veterinary Science Minor: 33 Units   |                                  |  |  |                         |             |          |          |                                |   |          |                        |     |           |                            |     |          |                             |     |           |                                 |     |            |                                  |   |                      |  |     |             |                        |     |             |                         |     |          |                 |     |             |              |     |              |                 |     |              |               |     |          |   |     |          |                         |   |  |  |  |  |  |  |
| <b>Program Description</b>   | Non-majors may elect to minor in Animal Science by completing a minimum of 32 units, 12 of which must be upper division.<br>The Animal & Veterinary science minor will allow student to get a brief understanding of the principles of both companion animal and production animal management.  |                                  |  |  |                         |             |          |          |                                |   |          |                        |     |           |                            |     |          |                             |     |           |                                 |     |            |                                  |   |                      |  |     |             |                        |     |             |                         |     |          |                 |     |             |              |     |              |                 |     |              |               |     |          |   |     |          |                         |   |  |  |  |  |  |  |
| <b>Curriculum Sheet</b>  | Curriculum Sheet<br>Animal & Veterinary Science Minor: 33 Units<br>Required Core Courses: 25 Units<br>AVS 1112/1114L Food Animal Production and Lab (2/1)<br>AVS 1113/1115L Companion Animal Management and Lab (2/1)<br>AVS 2101/2101L Introduction to Animal Nutrition (3/1)<br>AVS 3350/3350L Anatomy and Physiology and Lab (3/1)<br>BIO 1150/1150L Basic Biology/Laboratory (3/1)<br>CHM 1210/1210L General Chemistry I/Laboratory (3/1)<br>MAT 1050 College Algebra (3)<br>Additional 8 units of Animal Science electives approved by Department Chair or Minor Coordinator.  |                                  |  |  |                         |             |          |          |                                |   |          |                        |     |           |                            |     |          |                             |     |           |                                 |     |            |                                  |   |                      |  |     |             |                        |     |             |                         |     |          |                 |     |             |              |     |              |                 |     |              |               |     |          |   |     |          |                         |   |  |  |  |  |  |  |
| <b>Roadmap</b>   | Per Ashley no roadmap required for Minor since it will vary so much student to student  |                                  |  |  |                         |             |          |          |                                |   |          |                        |     |           |                            |     |          |                             |     |           |                                 |     |            |                                  |   |                      |  |     |             |                        |     |             |                         |     |          |                 |     |             |              |     |              |                 |     |              |               |     |          |   |     |          |                         |   |  |  |  |  |  |  |
|  | <table border="1"> <thead> <tr> <th colspan="3">AVS Semester Courses - 2018/2019</th> </tr> <tr> <th>Subject and Catalog No.</th> <th>Course Name</th> <th>Schedule</th> </tr> </thead> <tbody> <tr> <td>AVS 1100</td> <td>Introduction to Animal Science</td> <td>F</td> </tr> <tr> <td>AVS 1112</td> <td>Food Animal Production</td> <td>F/S</td> </tr> <tr> <td>AVS 1114L</td> <td>Food Animal Production Lab</td> <td>F/S</td> </tr> <tr> <td>AVS 1113</td> <td>Companion Animal Management</td> <td>F/S</td> </tr> <tr> <td>AVS 1115L</td> <td>Companion Animal Management Lab</td> <td>F/S</td> </tr> <tr> <td>AVS 1101/L</td> <td>Introduction to Animal Nutrition</td> <td>F</td> </tr> <tr> <td>AVS 4402 or AVS 4473</td> <td>Advanced Nutrition or Clinical Nutrition</td> <td>F/S</td> </tr> <tr> <td>AVS 3350 /L</td> <td>Anatomy and Physiology</td> <td>F/S</td> </tr> <tr> <td>AVS 4414 /L</td> <td>Reproductive Physiology</td> <td>F/S</td> </tr> <tr> <td>AVS 3305</td> <td>Animal Genetics</td> <td>F/S</td> </tr> <tr> <td>AVS 3327/ L</td> <td>Meat Science</td> <td>F/S</td> </tr> <tr> <td>AHS 3305 / L</td> <td>Animal Diseases</td> <td>F/S</td> </tr> <tr> <td>AVS 4443 / L</td> <td>Biotechnology</td> <td>F/S</td> </tr> <tr> <td>AVS 3311</td> <td>Issues and Ethics in Animal Agriculture</td> <td>F/S</td> </tr> <tr> <td>AVS 4463</td> <td>Animal Science Capstone</td> <td>S</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>Key for Letter/Symbol Codes</p> | AVS Semester Courses - 2018/2019 |  |  | Subject and Catalog No. | Course Name | Schedule | AVS 1100 | Introduction to Animal Science | F | AVS 1112 | Food Animal Production | F/S | AVS 1114L | Food Animal Production Lab | F/S | AVS 1113 | Companion Animal Management | F/S | AVS 1115L | Companion Animal Management Lab | F/S | AVS 1101/L | Introduction to Animal Nutrition | F | AVS 4402 or AVS 4473 | Advanced Nutrition or Clinical Nutrition | F/S | AVS 3350 /L | Anatomy and Physiology | F/S | AVS 4414 /L | Reproductive Physiology | F/S | AVS 3305 | Animal Genetics | F/S | AVS 3327/ L | Meat Science | F/S | AHS 3305 / L | Animal Diseases | F/S | AVS 4443 / L | Biotechnology | F/S | AVS 3311 | Issues and Ethics in Animal Agriculture | F/S | AVS 4463 | Animal Science Capstone | S |  |  |  |  |  |  |
| AVS Semester Courses - 2018/2019                                     |   |                                  |  |  |                         |             |          |          |                                |   |          |                        |     |           |                            |     |          |                             |     |           |                                 |     |            |                                  |   |                      |  |     |             |                        |     |             |                         |     |          |                 |     |             |              |     |              |                 |     |              |               |     |          |   |     |          |                         |   |  |  |  |  |  |  |
| Subject and Catalog No.  | Course Name   | Schedule                         |  |  |                         |             |          |          |                                |   |          |                        |     |           |                            |     |          |                             |     |           |                                 |     |            |                                  |   |                      |  |     |             |                        |     |             |                         |     |          |                 |     |             |              |     |              |                 |     |              |               |     |          |   |     |          |                         |   |  |  |  |  |  |  |
| AVS 1100   | Introduction to Animal Science  | F                                |  |  |                         |             |          |          |                                |   |          |                        |     |           |                            |     |          |                             |     |           |                                 |     |            |                                  |   |                      |  |     |             |                        |     |             |                         |     |          |                 |     |             |              |     |              |                 |     |              |               |     |          |   |     |          |                         |   |  |  |  |  |  |  |
| AVS 1112   | Food Animal Production  | F/S                              |  |  |                         |             |          |          |                                |   |          |                        |     |           |                            |     |          |                             |     |           |                                 |     |            |                                  |   |                      |  |     |             |                        |     |             |                         |     |          |                 |     |             |              |     |              |                 |     |              |               |     |          |   |     |          |                         |   |  |  |  |  |  |  |
| AVS 1114L  | Food Animal Production Lab  | F/S                              |  |  |                         |             |          |          |                                |   |          |                        |     |           |                            |     |          |                             |     |           |                                 |     |            |                                  |   |                      |  |     |             |                        |     |             |                         |     |          |                 |     |             |              |     |              |                 |     |              |               |     |          |   |     |          |                         |   |  |  |  |  |  |  |
| AVS 1113   | Companion Animal Management   | F/S                              |  |  |                         |             |          |          |                                |   |          |                        |     |           |                            |     |          |                             |     |           |                                 |     |            |                                  |   |                      |  |     |             |                        |     |             |                         |     |          |                 |     |             |              |     |              |                 |     |              |               |     |          |   |     |          |                         |   |  |  |  |  |  |  |
| AVS 1115L  | Companion Animal Management Lab   | F/S                              |  |  |                         |             |          |          |                                |   |          |                        |     |           |                            |     |          |                             |     |           |                                 |     |            |                                  |   |                      |  |     |             |                        |     |             |                         |     |          |                 |     |             |              |     |              |                 |     |              |               |     |          |   |     |          |                         |   |  |  |  |  |  |  |
| AVS 1101/L   | Introduction to Animal Nutrition  | F                                |  |  |                         |             |          |          |                                |   |          |                        |     |           |                            |     |          |                             |     |           |                                 |     |            |                                  |   |                      |  |     |             |                        |     |             |                         |     |          |                 |     |             |              |     |              |                 |     |              |               |     |          |   |     |          |                         |   |  |  |  |  |  |  |
| AVS 4402 or AVS 4473   | Advanced Nutrition or Clinical Nutrition  | F/S                              |  |  |                         |             |          |          |                                |   |          |                        |     |           |                            |     |          |                             |     |           |                                 |     |            |                                  |   |                      |  |     |             |                        |     |             |                         |     |          |                 |     |             |              |     |              |                 |     |              |               |     |          |   |     |          |                         |   |  |  |  |  |  |  |
| AVS 3350 /L  | Anatomy and Physiology  | F/S                              |  |  |                         |             |          |          |                                |   |          |                        |     |           |                            |     |          |                             |     |           |                                 |     |            |                                  |   |                      |  |     |             |                        |     |             |                         |     |          |                 |     |             |              |     |              |                 |     |              |               |     |          |   |     |          |                         |   |  |  |  |  |  |  |
| AVS 4414 /L  | Reproductive Physiology   | F/S                              |  |  |                         |             |          |          |                                |   |          |                        |     |           |                            |     |          |                             |     |           |                                 |     |            |                                  |   |                      |  |     |             |                        |     |             |                         |     |          |                 |     |             |              |     |              |                 |     |              |               |     |          |   |     |          |                         |   |  |  |  |  |  |  |
| AVS 3305   | Animal Genetics   | F/S                              |  |  |                         |             |          |          |                                |   |          |                        |     |           |                            |     |          |                             |     |           |                                 |     |            |                                  |   |                      |  |     |             |                        |     |             |                         |     |          |                 |     |             |              |     |              |                 |     |              |               |     |          |   |     |          |                         |   |  |  |  |  |  |  |
| AVS 3327/ L  | Meat Science  | F/S                              |  |  |                         |             |          |          |                                |   |          |                        |     |           |                            |     |          |                             |     |           |                                 |     |            |                                  |   |                      |  |     |             |                        |     |             |                         |     |          |                 |     |             |              |     |              |                 |     |              |               |     |          |   |     |          |                         |   |  |  |  |  |  |  |
| AHS 3305 / L   | Animal Diseases   | F/S                              |  |  |                         |             |          |          |                                |   |          |                        |     |           |                            |     |          |                             |     |           |                                 |     |            |                                  |   |                      |  |     |             |                        |     |             |                         |     |          |                 |     |             |              |     |              |                 |     |              |               |     |          |   |     |          |                         |   |  |  |  |  |  |  |
| AVS 4443 / L   | Biotechnology   | F/S                              |  |  |                         |             |          |          |                                |   |          |                        |     |           |                            |     |          |                             |     |           |                                 |     |            |                                  |   |                      |  |     |             |                        |     |             |                         |     |          |                 |     |             |              |     |              |                 |     |              |               |     |          |   |     |          |                         |   |  |  |  |  |  |  |
| AVS 3311   | Issues and Ethics in Animal Agriculture   | F/S                              |  |  |                         |             |          |          |                                |   |          |                        |     |           |                            |     |          |                             |     |           |                                 |     |            |                                  |   |                      |  |     |             |                        |     |             |                         |     |          |                 |     |             |              |     |              |                 |     |              |               |     |          |   |     |          |                         |   |  |  |  |  |  |  |
| AVS 4463   | Animal Science Capstone   | S                                |  |  |                         |             |          |          |                                |   |          |                        |     |           |                            |     |          |                             |     |           |                                 |     |            |                                  |   |                      |  |     |             |                        |     |             |                         |     |          |                 |     |             |              |     |              |                 |     |              |               |     |          |   |     |          |                         |   |  |  |  |  |  |  |
|  |   |                                  |  |  |                         |             |          |          |                                |   |          |                        |     |           |                            |     |          |                             |     |           |                                 |     |            |                                  |   |                      |  |     |             |                        |     |             |                         |     |          |                 |     |             |              |     |              |                 |     |              |               |     |          |   |     |          |                         |   |  |  |  |  |  |  |
|  |   |                                  |  |  |                         |             |          |          |                                |   |          |                        |     |           |                            |     |          |                             |     |           |                                 |     |            |                                  |   |                      |  |     |             |                        |     |             |                         |     |          |                 |     |             |              |     |              |                 |     |              |               |     |          |   |     |          |                         |   |  |  |  |  |  |  |

|  |   |   |          |
|--|---|---|----------|
| <b>Two-Year Course Offering</b>  | F=fall S=spring<br>e=day/evening class; e1=evenings only; n=not offered this year; o/o=offered every other year |   |          |
|  | AVS Semester Courses- 2019/2020   |   |          |
|  | Subject and Catalog No.   | Course Name                                 | Schedule |
|  | AVS 1100  | Introduction to Animal Science              | F        |
|  | AVS 1112  | Food Animal Production                      | F/S      |
|  | AVS 1114L   | Food Animal Production Lab                  | F/S      |
|  | AVS 1113  | Companion Animal Management                 | F/S      |
|  | AVS 1115L   | Companion Animal Management Lab             | F/S      |
|  | AVS 1101/L  | Introduction to Animal Nutrition/Laboratory | F        |
|  | AVS 4402 or<br>AVS 4473   | Advanced Nutrition or<br>Clinical Nutrition | F/S      |
|  | AVS 3350/L  | Anatomy and Physiology/Laboratory           | F/S      |
|  | AVS 4414/L  | Reproductive Physiology/Laboratory          | F/S      |
|  | AVS 3305  | Animal Genetics                             | F/S      |
|  | AVS 3327/L  | Meat Science/Laboratory                     | F/S      |
|  | AHS 3305/L  | Animal Diseases/Laboratory                  | F/S      |
|  | AVS 4443/L  | Biotechnology/Laboratory                    | F/S      |
|  | AVS 3311  | Issues and Ethic in Animal Agriculture      | F/S      |
| AVS 4463   | Animal Science Capstone   | S   |          |
| Key for Letter/Symbol Codes<br>F=fall S=spring<br>e=day/evening class; e1=evenings only; n=not offered this year; o/o=offered every other year |   |   |          |
| <b>Assessment Plan</b>   |   |   |          |
| <b>Select Program</b>  | Program   |   |          |
| <b>Prospective Curriculum</b>  |   |   |          |
| <b>Steps</b>   |   |   |          |
| <b>Files</b>   | None  |   |          |