



## Change Undergraduate Course

### Change a Course

Subject: AVS-Animal and Vet Sciences  
 Number: 4170  
 Effective Term: Fall 2018  
 Title: Animal Agribusiness Developmnt

Honors Course:

Add Honors Course:

Last Term Course was taught: 201705

#### Brief Statement of Change Based on Assessment Results:

The course will be expanded to 3-credit hours with no laboratory due to evolution of the instructional style to include more in-class discussion and reduction of hands-on "laboratory" material. This will also support improved time to degree to fulfill the AVS capstone requirement. AVS 4170 is not a required course for AVS students, thus a change in curriculum map should not be required.

### Rationale for Changing a Course

- Strengthen Program Requirement(s)  
 Alignment of Student Learning Outcomes  
 Alternative Delivery of Content  
 Improve Time to Degree  
 Evolution of the Discipline  
 Changing Prerequisites  
 Address DWF Rates  
 General Education Modifications  
 Other (Please specify.)

### Change of Credit

From

Fixed Credit Course

Credit Hrs Contact Hrs

2 1

Variable Credit Course

Credit Hrs Contact Hrs

Min Max Min Max

To

Fixed Credit Course

Credit Hrs Contact Hrs

3 3

Variable Credit Course

Credit Hrs Contact Hrs

Min Max Min Max

### Change Catalog Description

From Team-based development of a business relating to the animal industries. Students develop the business from the initial idea through operations. Focuses on the development of the business plan, including financials, personnel management, and resources needed.  
 To Development of a business relating to the animal industries. Students develop the business from the initial idea through operations. Focuses on the development of the business plan, including financials, personnel management, and resources needed.

### Change Prerequisite(s) / Corequisite(s)

From Preq: ACCT 2010; and ECON 2110 or ECON 2120.  
 Coreq: AVS 4171  
 To Preq: ACCT 2010; and ECON 2110 or ECON 2120.

Learning Objectives

**Learning Objectives**

- Develop a business plan.
- Understand how to read financial reports.
- Understand special tax and legal considerations specific to animal agribusiness.
- Monitor current livestock markets and perform market analyses.
- Understand how to utilize case studies.
- Be provided with an extremely unique opportunity to design/develop your own business.

**Topical Outline**

- The business idea – formulating a sound, coherent business idea - 2 contact hours
- Business terminology - 1 contact hour
- The business plan – importance of writing one; general template - 2 contact hours
- Type of business – various types of businesses (legal formation) - 2 contact hours
- Legal considerations – understanding business practices and law - 1 contact hour
- Market study and planning – understanding the competition, the need, the financial and personnel requirements for business idea - 3 contact hours
- The customer – identifying who will buy your product - 2 contact hours
- Financial Resources – identifying start up & operating costs; break even analysis; profit & loss sheets; income projections; securing funding - 3 contact hours
- Daily operations – outlining daily operations - 1 contact hour
- Human resources – payroll, unemployment, insurance & retirement – FT v PT - 2 contact hours
- Marketing – understanding marketing; how to reach the customer - 3 contact hours
- Advertising – options; costs; importance - 2 contact hours
- Pricing strategy – know how to price your merchandise/service appropriately - 2 contact hours
- The supporting documents – tax returns, the importance of good credit, resumes, lease procurements, licenses and legal documents - 2 contact hours
- Understanding risk – does it suit your personality; market risk; stock market volatility Short term/Long term goals – expansion - 2 contact hours
- Funding sources – banks, lenders, credit unions - 3 contact hours
- Small Business Association – business resources - 2 contact hours
- Livestock commodity markets – current status - 2 contact hours
- "Life Lessons" – understanding credit, loans, real estate purchase/lease - 2 contact hours
- Student presentations of business plans - 5 contact hours

**Evaluation**

## Undergraduate

A	90	-	100
B	80	-	89
C	70	-	79
D	60	-	69
F	<		60

Business plan 30%

Business pitch 25%

Current business issues/stock market analysis 25%

Assignments/drafts 20%

**Syllabus**Upload File: [AVS 4170 syllabus spring 2018 draft-2017121110906.doc](#)**Form**

User ID: kvernon Name: Kristine Vernon

Date: 02/09/2018 Number: 36496

000003

2/9/18

Date

2/9/18

Date

3/15/18

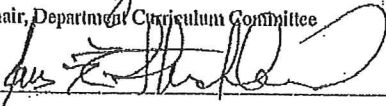
Date

3/26/18


Date

Jeryl C Jous

Chair, Department Curriculum Committee



Department Chair



Chair, College Curriculum Committee



College Dean

Director, Calhoun Honors College

Date

Chair, Undergraduate Curriculum Committee

Date

Chair, Graduate Curriculum Committee

Date

Provost

Date

President

Date

**Delete Undergraduate Course****Delete a Course**

**Subject:** AVS-Animal and Vet Sciences  
**Number:** 4171  
**Effective Term:** Fall 2018  
**Title:** Animal Agribusiness Dev Lab

Delete Honors Course:

Last Term Course was taught: 999999

**Brief Statement of Change Based on Assessment Results:**

We are requesting to delete the laboratory co-requisite of AVS 4170 due to the change of course delivery for AVS 4170. This is not a required course for AVS students, thus a change in curriculum map should not be required.

**Rationale for Delete Course**

- Strengthen Program Requirement(s)
- Alignment of Student Learning Outcomes
- Alternative Delivery of Content
- Improve Time to Degree
- Evolution of the Discipline
- Changing Prerequisites
- Address DWF Rates
- General Education Modifications
- Other (Please specify.)

**Form**

**User ID:** kvernon **Name:** Kristine Vernon  
**Date:** 02/09/2018 **Number:** 37637

000005

2/9/18

Jeryl C Jours

Chair, Department Curriculum Committee

Date

*[Signature]*  
Department Chair

2/9/18

Date

*[Signature]*  
Chair, College Curriculum Committee

3/15/18

Date

Jean A. Bertrand

College Dean

3/26/18

Date

Director, Calhoun Honors College

Date

Chair, Undergraduate Curriculum Committee

Date

Chair, Graduate Curriculum Committee

Date

Provost

Date

President

Date

## Change Undergraduate Course

### Change a Course

**Subject:** AVS-Animal and Vet Sciences

**Number:** 1500

**Effective Term:** Fall 2018

**Title:** Intro Animal Science

**Honors Course:**

Add Honors Course:

**Last Term Course was taught:** 201708

#### Brief Statement of Change Based on Assessment Results:

The course has been re-evaluated and it is determined that the two courses are not essential as a co-requisite. While the material of AVS 1510 is complementary, each course's content stands alone.

### Rationale for Changing a Course

- Strengthen Program Requirement(s)
- Alignment of Student Learning Outcomes
- Alternative Delivery of Content
- Improve Time to Degree
- Evolution of the Discipline
- Changing Prerequisites
- Address DWF Rates
- General Education Modifications
- Other (Please specify.)

### Change Prerequisite(s) / Corequisite(s)

**From** Coreq: AVS 1510  
**To** none

### Learning Objectives

1. Students will develop an understanding of the principals of animal nutrition, reproduction, genetics, endocrinology, health, meat science and management involved in the production of food animals.
2. Students will develop a foundation of terminology and understanding of the science of animal production systems necessary for successful completion of advanced animal science courses.
3. Students will develop an understanding of the structure of the various animal industries.
4. Students will gain an enhanced awareness of the breadth and scale of the animal science field.

### Topical Outline

- 3 contact hours - Course Introduction; Terminology; World Overview of Agriculture
- 3 contact hours - Uses of Animal by Man; Statistics for U.S. Farm Animals; Breeds of Farm Animals
- 4 contact hours - Nutrients and Their Functions; Digestive tracts and Digestion in Monogastrics and Ruminants; Brief Overview of Feedstuffs
- 3 contact hours - Genetics and Animal Breeding
- 1 contact hour - Exam 1
- 3 contact hours- Hormones of Reproduction
- 3 contact hours - Male and Female Reproductive Anatomy
- 3 contact hours - Pregnancy, Parturition; Incubation
- 1 contact hour - Exam 2
- 3 contact hours - Mammary Gland Structure and Function
- 3 contact hours - Meat Science
- 3 contact hours - Beef Production & Industry
- 3 contact hours - Dairy Production & Industry
- 3 contact hours - Poultry Production & Industry; Swine Production & Industry
- 3 contact hours - Horse Production & Industry; Exam 3
- 3 contact hours - Semester wrap up and review

000007

**Evaluation**

Undergraduate

A 91 - 100

B 81 - 90

C 70 - 80

D 60 - 69

F < 60

Three exams at 100 points each = 300 points

Comprehensive final = 200 points

455 to 500 points = A

405 to 454 points = B

350 to 404 points = C

300 to 349 points = D

Below 300 points = F

**Syllabus**

Upload File: [AVS1500fall2017-20171211104308.pdf](#)

**Form**

User ID: kvernon Name: Kristine Vernon

Date: 03/15/2018 Number: 36495

*Jerijl Jones*

3/6/18

Chair, Department Curriculum Committee

Date

*Jane Z...*

3/6/18

Department Chair

Date

*K...*

3/15/18

Chair, College Curriculum Committee

Date

*Jean A. Bertrand*

3/26/18

College Dean

Date

Director, Calhoun Honors College

Date

Chair, Undergraduate Curriculum Committee

Date

Chair, Graduate Curriculum Committee

Date

Provost

Date

President

Date



## Change Undergraduate Course

### Change a Course

**Subject:** AVS-Animal and Vet Sciences  
**Number:** 1510  
**Effective Term:** Fall 2018  
**Title:** Intro Ani Sci Lab  
**Honors Course:**  
 Add Honors Course:  
**Last Term Course was taught:** 201708

#### Brief Statement of Change Based on Assessment Results:

Change pre- and co-requisite to none. The course has been re-evaluated and it has been determined that AVS 1500 course content is not considered to be essential for student success in AVS 1510. The courses are independent of each other, yet complementary. AVS orients students to enroll in both courses; however, this prerequisite change allows a student to make a mid-semester schedule adjustment (drop course) without losing laboratory fees or being forced to withdraw due to co-requisite drop.

### Rationale for Changing a Course

- Strengthen Program Requirement(s)
- Alignment of Student Learning Outcomes
- Alternative Delivery of Content
- Improve Time to Degree
- Evolution of the Discipline
- Changing Prerequisites
- Address DWF Rates
- General Education Modifications
- Other (Please specify.)

### Change Prerequisite(s) / Corequisite(s)

**From** coreq: AVS 1500  
**To** none

### Learning Objectives

- 1- Gain familiarity with the animal production units of Clemson University
- 2- Acquire an understanding of animal behavior and the handling techniques associated with each species
- 3- Develop a basic insight into the animal industries
- 4- Build confidence in handling animals and working with others
- 5- Develop relationships with those interested in the same field (i.e. your classmates!)

### Topical Outline

2 contact hours - MSP; IACUC compliance; course intro  
 2 contact hours - Horse Farm tour  
 2 contact hours - Poultry Farm tour  
 2 contact hours - Dairy Farm tour  
 2 contact hours - Swine Farm tour  
 2 contact hours - Meats lab tour  
 2 contact hours - Sheep farm tour  
 2 contact hours - Midterm exam  
 2 contact hours - Equine handling lab  
 2 contact hours - Poultry handling lab  
 2 contact hours - Dairy handling lab  
 2 contact hours - Swine handling lab  
 2 contact hours - Sheep handling lab  
 2 contact hours - Beef handling lab  
 2 contact hours - Final Exam

### Evaluation

**Undergraduate**  
**A** 90 - 100

**B** 80 - 89  
**C** 70 - 79  
**D** 60 - 69  
**F** < 60  
Lab Participation 25%  
Weekly Quizzes 25%  
Midterm Exam 25%  
Final Exam 25%

**Syllabus**  
Upload File: [AVS 1510 F2017 Syllabus-20171211100820.pdf](#)

**Form**  
User ID: kvernon Name: Kristine Vernon  
Date: 02/28/2018 Number: 36492

Jeryl C. Jones

3/6/18

Chair, Department Curriculum Committee

Date

[Signature]

3/6/18

Department Chair

Date

[Signature]

3/15/18

Chair, College Curriculum Committee

Date

Jean A. Bertrand

3/26/18

College Dean

Date

Director, Calhoun Honors College

Date

Chair, Undergraduate Curriculum Committee

Date

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Date