

# Cover Sheet: Request 10758

## ANS4243C Beef Cow/Calf Management

### Info

Process	Course Modify Ugrad/Pro
Status	Pending
Submitter	Imler,Amie M amie.taylor@ufl.edu
Created	2/4/2016 6:02:10 PM
Updated	9/26/2016 7:10:00 AM
Description of request	Development and implementation of management programs for commercial cow-calf and purebred beef cattle enterprises.

### Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	CALS - Animal Sciences 514909000	Tenbroeck, Saundra Hodge		2/4/2016
Deleted 4243c.pdf					2/4/2016
College	Approved	CALS - College of Agricultural and Life Sciences	Brendemuhl, Joel H	Approved by CALS CC 2-12-16	2/19/2016
No document changes					
University Curriculum Committee	Comment	PV - University Curriculum Committee (UCC)	Case, Brandon	Added to the March agenda.	2/22/2016
No document changes					

Step	Status	Group	User	Comment	Updated
University Curriculum Committee	Recycled	PV - University Curriculum Committee (UCC)	Case, Brandon	<p>Change Lab code; remove C, Change credit hours to 5 (from 3) for 5 hours of lecture.</p> <ul style="list-style-type: none"> <li>- Rationale:</li> <li>- This course has been revised and no longer includes a lab (students can enroll in a beef cattle practicum simultaneously if they wish), but students will meet for 5 hours each week for lecture.</li> <li>- Make up policy:</li> <li>- The syllabus states, "Make up hour examinations will be oral!!"</li> <li>1. Please note that students who have excused absences for religious holidays do not need to bring in documentation.</li> <li>2. Also, please note that any make-up exam or assignment should not penalize the student in any way.</li> <li>- Grading:</li> <li>- While mention of a final exam is provided, no final exam is included in the table of points and percentages. Where does the final exam factor into calculating total points.</li> <li>- Pop quizzes will be bonus points (how many, how much; is this important?)</li> <li>- Homework assignments are not listed in the outline nor are due dates provided.</li> <li>- "Supplemental reading may be handed out in class." Since no text is required, please provide examples of supplemental readings (ideally all that will be required of students to read).</li> <li>- Since there is change in credit hours proposed, a program request that reflects these changes (even if the total credit hours remains the same) must be submitted.</li> </ul>	3/18/2016

Step	Status	Group	User	Comment	Updated
No document changes					
College	Approved	CALS - College of Agricultural and Life Sciences	Brendemuhl, Joel H	Requested changes of the UCC have been addressed and new documents have been uploaded.	9/26/2016
Replaced ANS 4243 - NEW - Cow-Calf syllabus fall 2016revised (2).doc					5/4/2016
Deleted ANS 4243 - NEW - Cow-Calf syllabus fall 2016 revised.doc					5/4/2016
Deleted ANS4243 Program Change Request.docx					5/4/2016
Added ANS 4243 - NEW - Cow-Calf syllabus fall 2016 revised.doc					9/26/2016
Added ANS4243 Program Change Request.docx					9/26/2016
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			9/26/2016
No document changes					
Statewide Course Numbering System					
No document changes					
Office of the Registrar					
No document changes					
Student Academic Support System					
No document changes					
Catalog					
No document changes					
College Notified					
No document changes					

## Course|Modify for request 10758

### Info

**Request:** ANS4243C Beef Cow/Calf Management

**Description of request:** Development and implementation of management programs for commercial cow-calf and purebred beef cattle enterprises.

**Submitter:** Imler, Amie M amie.taylor@ufl.edu

**Created:** 5/4/2016 1:44:46 PM

**Form version:** 3

### Responses

**Current Prefix**ANS

**Course Level**4

**Number** 243

**Lab Code** C

**Course Title** Beef Cow/Calf Management

**Effective Term** Earliest Available

**Effective Year** Earliest Available

**Requested Action** Other (selecting this option opens additional form fields below)

**Change Course Prefix?**No

**Change Course Level?**No

**Change Course Number?**No

**Change Lab Code?**Yes

**Current Lab Code**C

**Proposed Lab Code**None

**Change Course Title?**No

**Change Transcript Title?**No

**Change Credit Hours?**Yes

**Current Credit Hours**3

**Proposed Credit Hours**5

**Change Variable Credit?**No

**Change S/U Only?**No

**Change Contact Type?**No

**Change Rotating Topic Designation?**No

**Change Repeatable Credit?**No

**Change Course Description?**No

**Change Prerequisites?**No

**Change Co-requisites?**No

**Rationale**This course has been revised and no longer includes a lab (students can enroll in a beef cattle practicum simultaneously if they wish), but students will meet for 5 hours each week for lecture

**ANS 4243**  
**Beef Cow/Calf Management**  
**Fall 2016**  
**5 credits**

**Instructor:**

Dr. Todd Thrift  
210C Animal Science Bldg., North (Bldg. 459)  
392-8597 office  
[tathrift@ufl.edu](mailto:tathrift@ufl.edu)

**Teaching Assistants:**

Jesse Savell  
[sanspur@ufl.edu](mailto:sanspur@ufl.edu)  
352-494-3397 cell

**Schedule:**

Lectures:                    T R            Period 3 (9:35 - 10:25 am)    Bldg. 459 Rm. 155

Lecture/Discussion:    R            Period 8-10 (3:00 - 6:00 pm) Bldg. 459 Rm. 155

Office Hours:    Open door policy

**Course Description:**

Development and implementation of management programs for commercial cow-calf and purebred beef cattle enterprises.

**Course Objectives:**

Beef Cow/Calf Management is a senior-level “capstone” course for the Beef Industry curriculum in the Animal Sciences Major. It is designed to assimilate information learned in prerequisite courses into management systems. The course will focus on commercial cow/calf production with emphasis on application of nutrition, reproduction, genetics, health, marketing, and financial management. At the conclusion of this course, students will be able to:

1. Understand the beef cattle industry in the state of Florida, the United States, and the World.
2. Describe roles of the major beef breeds as well as equipment, identification, nutrition, reproduction, genetics, health, marketing, taxation, and management concepts relative to the beef cattle industry.

- Understand the future direction of the beef cattle industry and how change may affect beef production.

**Grading Policy:**

- For information on current UF policies for assigning grade points, see <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>
- Final course grade will be based on percentage of total points earned (total points will be based on hour examinations, homework, magazine article reviews, and final examination).

	Points		Percentage
Mid-term Exam	150		37.5
Final Exam	150		37.5
Homework (~5 assignments)	50		12.5
Magazine article reviews (10)	50		12.5
Total	400		100

Final Grade (non-negotiable)

> 90.0	=	A	70.0 - 77.4	=	C
87.5 - 89.9	=	B+	67.5 - 69.9	=	D+
80.0 - 87.4	=	B	60.0 - 67.4	=	D
77.5 - 79.9	=	C+	< 60.0	=	E

- Final examination, which all students have to take, will be given on a date and during a time period specified in the University Class schedule.
- Hour examinations, involving lecture material, will be given at specified intervals during the semester. Make-up exams must be due to an excused absence as outlined in UF's Attendance Policy (<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>).
- Review and summary of a popular press article will be required weekly. The summary should be handwritten (must be readable and neat), between 3/4 to 1 page in length, due on **THURSDAYS** at the **BEGINNING** of lab. The summary must review the facts presented in the article **and should end with a couple of sentences on how the information presented might apply to the Florida Beef Industry**. Acceptable magazines for review are listed below (This list is not inclusive and other magazines are

acceptable as long as they apply to the beef industry).

Agricultural Research	Feedlot	Meat International
Angus Journal	Feedstuffs	National Cattlemen
Angus Beef Bulletin	Gelbvieh World	Progressive Farmer
Beef	Gulf Coast Cattleman	Santa Gertrudis USA
Beef Today	Hay and Forage Grower	The Cattleman
Braford News	Hereford World	The Florida Cattleman
Cattle Today	Limousin World	The Beefmaster Cowman
Drovers Journal	Livestock Weekly	Western Livestock Journal

#### 6. Attendance and Make-Up Work

Requirements for class attendance and make-up exams, assignments and other work are consistent with university policies that can be found at:

<https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>

Attendance to lecture is not required. No penalty will be imposed for absence; however, students are responsible for material covered in class. In general, acceptable reasons for absence from or failure to participate in class include illness, serious family emergencies, special curricular requirements (e.g., judging trips, field trips, and professional conferences), military obligation, severe weather conditions, religious holidays and participation in official university activities such as music performances, athletic competition or debate. Absences from class for court-imposed legal obligations (e.g., jury duty or subpoena) must be excused. Other reasons also may be approved.

#### Text:

No text is required. Students are required to review industry magazines on a weekly basis. See above listing of approved magazines for examples of supplemental reading. Additional supplemental readings may be used during lecture, but will be provided by the instructor.

Examples, include:

- [https://edis.ifas.ufl.edu/topic\\_series\\_cull\\_cow\\_beef\\_quality\\_issues](https://edis.ifas.ufl.edu/topic_series_cull_cow_beef_quality_issues)
- <https://edis.ifas.ufl.edu/an289>
- <https://edis.ifas.ufl.edu/an319>
- <https://edis.ifas.ufl.edu/an226>
- <https://edis.ifas.ufl.edu/an305>
- <https://edis.ifas.ufl.edu/vm117>
- <https://edis.ifas.ufl.edu/an129>
- <https://edis.ifas.ufl.edu/ig054>



### Tentative Course Outline:

Date		Subject
08/25	Lecture	Introduction/Syllabus Overview How did the FL beef cattle industry get started? -History of beef industry in FL
08/27	Lecture	Introduction/Syllabus Overview How did the FL beef cattle industry get started? -History of beef industry in FL
08/27	Lecture	How is the beef industry structured? -Overview of beef cattle industry –structure, industry targets
09/1	Lecture	How is the beef industry structured? -Overview of beef cattle industry –structure, industry targets
09/3	Lecture	Where are the cows in FL, the US, and World? -Global beef production -Comparison and contrast of beef production practices
09/3	Lecture	Why isn't the beef industry vertically integrated? -Discussion of industry structure, current and future trends How are cattle different than other creatures? -Common cattle characteristics What traits are important in beef production? -Placing selection emphasis on different traits
09/8	Lecture	What is a genetic antagonism? -Common antagonisms that hinder selection progress
09/10	Lecture	Should all of my calves grade choice? -Utilization of carcass data to make selection decisions
09/10	Lecture	Is my cow too big? -Discussion of cow size and milk production <b>HOMEWORK 1 DUE</b>
09/15	Lecture	How heavy should my weaning weight be? -Economics of weaning weight and value of gain -Discussion on age at weaning What are the implications of high reproductive rates and heavy calf crops? -Cost and benefits of improving lbs calf weaned/cow exposed

09/17	Lecture	Which breed do I choose? -Breed evaluation/utilization -Breed vs Type
09/17	Lecture	Which breed do I choose? -Breed evaluation/utilization -Breed vs Type -Functional traits
09/22	Lecture	What is hybrid vigor and how can I take advantage of it? -Discussion of crossbreeding potential
09/24	Lecture	Should I straightbreed or crossbreed? -Planning a breeding program
09/24	Lecture	Should I straightbreed or crossbreed? -Planning a breeding program
9/29	Lecture	Should I straightbreed or crossbreed? -Planning a breeding program
10/1	Lecture	What is a composite? -Discussion of alternative mating plans
10/1	Lecture	How much ear do I need in my cow? -Discussion of adaptability to hot humid conditions <b>HOMEWORK 2 DUE</b>
10/6	Lecture	Which heifers should I keep as replacements? How old are my cows? -Determining age of cows
10/8	Lecture	What are the keys to good reproductive success in my cowherd? -Calving span, %Calf Crop,
10/8		How am I ever going to pass this test? <b>-EXAM 1 SUBJECT TO CHANGE</b>
10/13	Lecture	When should my cows calve? -Calving season selection and management
10/15	Lecture	What is the Non fed Beef Quality Audit? -BQA application to cull cow management
10/15	Lecture	What is Beef Quality Assurance? -Injection sites
10/20	Lecture	How should I manage my heifers? -Replacement heifer selection and management

10/22	Lecture	Should I purchase or raise my replacement heifers? -Economics of replacement females
10/22	Lecture	Replacement female options continued <b>HOMEWORK 3 DUE</b>
10/27	Lecture	How should I sell my calves? What is a slide? Should I retained ownership? What is a breakeven?
10/29	Lecture	How do I use data to help me make selection decisions? -Utilizing EPDs, frame score, weights, carcass data, etc.
10/29	Lecture	How should I manage my bulls? -Bull management for commercial cow calf producers -Utilization of yearling bulls -Utilization of un-adapted bulls -Breeding soundness of bulls
11/3	Lecture	Bull Management cont
11/5	Lecture	How do I use data to help me make selection decisions? Cont. -Utilizing EPDs, frame score, weights, carcass data, etc.
11/5	Lecture	How do I use all this data to pick a bull?
11/10	Lecture	How do I use all this data to pick a bull?
11/12	Lecture	How do I use all this data to pick a bull?
11/12	Lecture	How do I use all this data to pick a bull? <b>HOMEWORK 4 DUE</b>
11/17	Lecture	What vaccines should I give my cows? -Vaccination theory -Bovine diseases -Designing a herd health program
11/19	Lecture	Should I individually identify my cows/calves? -Individual animal management
11/19	Lecture	How do I ID my cows? -Marks and Brands
11/24	Lecture	Should I deworm my cows? -Internal and external parasite control
11/26		How much turkey can I eat? -Thanksgiving Break

11/26		How much leftover turkey can I eat? -Thanksgiving Break
12/1	Lecture	Should I deworm my cows? -Internal and external parasite control
12/3	Lecture	Who is going to pay me? -Calf management practices -Factors affecting calf quality
12/3	Lecture	Where is the beef industry headed? <b>HOMEWORK 5 DUE</b>
12/8	Lecture	What are the hot issues? -Overview of beef issues, i.e., food safety, environment -Future trends in the beef industry
12/10 - 12/11	Trip	Tentative field Trip to South FL
12/14	Lecture	When is this ever going to end? <b>-FINAL EXAM 7:30AM - ????????????????</b>

### Grades and Grade Points

For information on current UF policies for assigning grade points, see <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

### Absences and Make-Up Work

Requirements for class attendance and make-up exams, assignments and other work are consistent with university policies that can be found at: <https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx>.

### Academic Honesty

As a student at the University of Florida, you have committed yourself to uphold the Honor Code, which includes the following pledge: *“We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity.”* You are expected to exhibit behavior consistent with this commitment to the UF academic community, and on all work submitted for credit at the University of Florida, the following pledge is either required or implied: *"On my honor, I have neither given nor received unauthorized aid in doing this assignment."*

It is assumed that you will complete all work independently in each course unless the instructor provides explicit permission for you to collaborate on course tasks (e.g. assignments, papers, quizzes, exams). Furthermore, as part of your obligation to uphold the Honor Code, you should report any condition that facilitates academic misconduct to appropriate personnel. It is your

individual responsibility to know and comply with all university policies and procedures regarding academic integrity and the Student Honor Code. Violations of the Honor Code at the University of Florida will not be tolerated. Violations will be reported to the Dean of Students Office for consideration of disciplinary action. For more information regarding the Student Honor Code, please see: <http://www.dso.ufl.edu/SCCR/honorcodes/honorcode.php>.

### **Software Use:**

All faculty, staff and students of the university are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against university policies and rules, disciplinary action will be taken as appropriate.

### **Campus Helping Resources**

Students experiencing crises or personal problems that interfere with their general well-being are encouraged to utilize the university's counseling resources. The Counseling & Wellness Center provides confidential counseling services at no cost for currently enrolled students. Resources are available on campus for students having personal problems or lacking clear career or academic goals, which interfere with their academic performance.

- *University Counseling & Wellness Center, 3190 Radio Road, 352-392-1575, [www.counseling.ufl.edu/cwc/](http://www.counseling.ufl.edu/cwc/)*
  - Counseling Services
  - Groups and Workshops
  - Outreach and Consultation
  - Self-Help Library
  - Wellness Coaching
- U Matter We Care, [www.umatter.ufl.edu/](http://www.umatter.ufl.edu/)
- *Career Resource Center, First Floor JWRU, 392-1601, [www.crc.ufl.edu/](http://www.crc.ufl.edu/)*

### **Services for Students with Disabilities**

The Disability Resource Center coordinates the needed accommodations of students with disabilities. This includes registering disabilities, recommending academic accommodations within the classroom, accessing special adaptive computer equipment, providing interpretation services and mediating faculty-student disability related issues. Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation

0001 Reid Hall, 352-392-8565, [www.dso.ufl.edu/drc/](http://www.dso.ufl.edu/drc/)

### **Student Complaint Process**

*Residential Course:* [https://www.dso.ufl.edu/documents/UF\\_Complaints\\_policy.pdf](https://www.dso.ufl.edu/documents/UF_Complaints_policy.pdf).

## **Food Animal**

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Through proper selection of electives, students may emphasize beef, dairy or meat science. Career preparation can be strengthened through electives.

## **Critical Tracking**

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Critical Tracking records each student's progress in courses that are required for entry to each major. Please note the critical-tracking requirements below on a per-semester basis.

Equivalent critical-tracking courses as determined by the State of Florida [Common Course Prerequisites](#) may be used for transfer students.

### **Semester 1**

- Complete 2 of 6 critical-tracking courses, excluding labs: BSC 2010/2010L, BSC 2011/2011L, CHM 2045/2045L, MAC 1147, STA 2023, and AEB 2014 or ECO 2013 or ECO 2023
- 2.0 GPA required for all critical-tracking courses
- 2.0 UF GPA required

### **Semester 2**

- Complete 1 additional critical-tracking course, excluding labs
- 2.0 GPA required for all critical-tracking courses
- 2.0 UF GPA required

### **Semester 3**

- Complete 2 additional critical-tracking courses, excluding labs
- 2.0 GPA required for all critical-tracking courses
- 2.0 UF GPA required

### **Semester 4**

- Complete 1 additional critical-tracking course, excluding labs
- 2.0 GPA required for all critical-tracking courses
- 2.0 UF GPA required

### **Semester 5**

- Complete all critical-tracking course, including labs

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## **Model Semester Plan**

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To remain on track, students must complete the appropriate critical-tracking courses, which appear in bold.

*This semester plan represents an example progression through the major. Actual courses and course order may be different depending on the student's academic record and scheduling availability of courses. Prerequisites still apply.*

Semester 1		Credits
<b>BSC 2010 Integrated Principles of Biology 1, 3 credits, and                      BSC 2010L Integrated Principles of Biology Laboratory 1, 1 credit</b> <i>State Core GE-B/P</i>		4
ENC 1101 Expository and Argumentative Writing <i>State Core GE-C; WR</i>		3
<b>MAC 1147 Precalculus: Algebra and Trigonometry</b> <i>State Core GE-M</i>		4
Humanities <i>State Core GE-H; D</i>		3
Total		14
Semester 2		Credits
AEC 3030C Effective Oral Communication or SPC 2608 Introduction to Public Speaking		3
<b>BSC 2011 Integrated Principles of Biology 2, 3 credits, and                      BSC 2011L Integrated Principles of Biology Laboratory 2, 1 credit</b> <i>GE-B</i>		4
<b>ECO 2013 Principles of Macroeconomics</b> <i>State Core GE-S</i>		4
ENC 1102 Argument and Persuasion <i>GE-C</i>		3
IUF 1000 What is the Good Life <i>GE-H</i>		3
Total		17
Semester 3		Credits
AEC 3033C Research and Business Writing in Agricultural and Life Sciences ( <i>WR</i> ) or ENC 2210 Technical Writing		3
<b>CHM 2045 General Chemistry 1, 3 credits, and                      CHM 2045L General Chemistry 1 Laboratory, 1 credit</b> <i>GE-P</i>		4

Electives	8
Total	15
<b>Semester 4</b>	<b>Credits</b>
MCB 2000 Microbiology, <i>3 credits</i> , and MCB 2000L Microbiology Laboratory, <i>1 credit</i> <i>GE-B</i>	4
<b>STA 2023 Introduction to Statistics 1</b> <i>GE-M</i>	3
Electives	3
Social and Behavioral Sciences <i>GE-S</i>	3
Total	13
<b>Semester 5</b>	<b>Credits</b>
AEB 3133 Principles of Agribusiness Management	3
ANS 3006C Introduction to Animal Science	4
ANS 3440 Principles of Animal Nutrition	4
ANS 3634C Meats	3
ANS 3934 Careers in the Livestock Industry	2
Total	16
<b>Semester 6</b>	<b>Credits</b>
AGR 4231C Forage Science and Range Management	4
ANS 3319C Reproductive Physiology and Endocrinology in Domestic Animals	4
ANS 3383L Application of Genetic Evaluation to the Livestock Industry	1
ANS 3384 Genetic Improvement of Farm Animals	3
ANS 3404C Food Animal Nutrition and Feeding	3
ANS 3613L Livestock and Meat Evaluation	2
Total	17
<b>Summer</b>	<b>Credits</b>



ANS 4941 Full-Time Practical Work Experience in Animal Science	3-8
Total	3-8
<b>Semester 7</b>	
	<b>Credits</b>
ANS 3043 Growth and Development of Farm Animals	3
<a href="#">Approved electives</a>	6
<a href="#">Approved food and resource economics course</a>	3
Total	12
<b>Semester 8</b>	
	<b>Credits</b>
ANS 4931 Senior Seminar	1
<a href="#">Approved electives</a>	6
<a href="#">Approved food and resource economics course</a>	3
Elective	3
Total	13

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### Approved Electives

Choose 12 credits: ANS 3246L, ANS 3250L, ANS 3251, ANS 4243C, ANS 4245C, ANS 4604C, ANS 4605, ANS 4615, ANS 4635C, ANS 4905, ANS 5312C, FOS 4204, FOS 4222, FOS 4222L, FOS 4722C

Commented [TM1]: ANS4243

### Approved Food and Resource Economics Courses

Choose two: AEB 3122, AEB 3300, AEB 3315, AEB 3341, AEB 3450, AEB 4085, AEB 4123, AEB 4124, AEB 4126, AEB 4136, AEB 4138, AEB 4242, AEB 4274, AEB 4309, AEB 4342, AEB 4343, AEB 4424