

Cover Sheet: Request 10859

ANS3383L Application of Genetic Evaluation to the Livestock Industry

Info

Process	Course Modify Ugrad/Pro
Status	Pending
Submitter	Imler,Amie M amie.taylor@ufl.edu
Created	3/14/2016 4:46:38 PM
Updated	9/26/2016 7:15:58 AM
Description of request	Application of the principles of genetic evaluation of farm animals to the livestock industry.

Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	CALS - Animal Sciences 514909000	Tenbroeck, Saundra Hodge		3/14/2016
No document changes					
College	Approved	CALS - College of Agricultural and Life Sciences	Brendemuhl, Joel H	Approved at the 4/15/16 meeting of the CALS CC.	9/26/2016
Added ANS3383L Program Change Request.docx					
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			4/8/2016 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 10859

Info

Request: ANS3383L Application of Genetic Evaluation to the Livestock Industry

Description of request: Application of the principles of genetic evaluation of farm animals to the livestock industry.

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

Created: 3/14/2016 4:46:38 PM

Form version: 1

Responses

Current Prefix ANS

Course Level 3

Number 383

Lab Code L

Course Title Application of Genetic Evaluation to the Livestock Industry

Effective Term Earliest Available

Effective Year Earliest Available

Requested Action Terminate Course

Rationale This course is no longer being offered since its companion course, ANS 3384, has been revised to include an equivalent lab portion. A course change request is currently pending in the system to change ANS 3384 to a "C" designation.

Equine Specialization:

Semester 1		Credits
BSC 2010 and 2010L Integrated Principles of Biology 1 (3) and Integrated Principles of Biology 1 Laboratory (1) (State Core GE-B/P)		4
MAC 1147 Precalculus: Algebra and Trigonometry (State Core GE-M)		4
ENC 1101 Expository and Argumentative Writing (State Core GE-C) (WR)		3
Humanities (State Core GE-H) (D)		3
Total		14
Semester 2		Credits
AEC 3030C Effective Oral Communication or SPC 2608 Introduction to Public Speaking		3
BSC 2011 and 2011L Integrated Principles of Biology 2 (3) and Integrated Principles of Biology 2 Laboratory (1) (GE-B)		4
ECO 2013 Principles of Macroeconomics (State Core GE-S)		4
ENC 1102 Argument and Persuasion (GE-C)		3
IUF 1000 What is the Good Life (GE-H)		3
Total		17
Semester 3		Credits
AEC 3033C Research and Business Writing in Agricultural and Life Sciences (WR) or ENC 2210 Technical Writing		3
CHM 2045 and 2045L General Chemistry 1 (3) and General Chemistry 1 Laboratory (1) (GE-B/P)		4
Electives		8
Total		15
Semester 4		Credits
MCB 2000 and 2000L Microbiology (3) and Microbiology Laboratory (1) (GE-B)		4
STA 2023 Introduction to Statistics (GE-M)		3
Electives		5
Social and Behavioral Sciences (GE-S)		3

	Total	15
Semester 5		Credits
AEB 3133 Principles of Agribusiness Management		3
ANS 3006C Introduction to Animal Science		4
ANS 3217C Equine Health Management		2
ANS 3440 Principles of Animal Nutrition		4
ANS 3934 Careers in the Livestock Industry		2
	Total	15
Semester 6		Credits
AGR 4231C Forage Science and Range Management		4
ANS 3319C Reproductive Physiology and Endocrinology in Domestic Animals		4
ANS 3384 Genetic Improvement of Farm Animals		3
Approved food and resource economics course		3
	Total	14
Summer		Credits
ANS 4941 Full-Time Practical Work Experience in Animal Science		3-8
	Total	3-8
Semester 7		Credits
ANS 3043 Growth and Development of Farm Animals		3
ANS 3405 Equine Nutrition and Feeding Management		2
Approved equine practicum elective		2
Approved food and resource economics course		3
Electives		4
	Total	14
Semester 8		Credits
ANS 3079L Relationship of Form to Function in Horses		2

Commented [TM1]: ANS3384C Genetics of Domestic Animals

ANS 4234 Horse Enterprise Management	2
ANS 4931 Senior Seminar	1
Approved equine practicum elective	1
Electives	7
Total	13

Approved Equine Practicum Electives

Choose a minimum of two courses totaling at least three credits: ANS 3239L, ANS 4212L, ANS 4218L, ANS 4231, ANS 4241L, ANS 4605

Approved Food and Resource Economics Courses

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

Food Animal Specialization:

Semester 1	Credits
BSC 2010 and 2010L Integrated Principles of Biology 1 (3) and Integrated Principles of Biology 1 Laboratory (1) (State Core GE-B/P)	4
ENC 1101 Expository and Argumentative Writing (State Core GE-C) (WR)	3
MAC 1147 Precalculus: Algebra and Trigonometry (State Core GE-M)	4
Humanities (State Core GE-H) (D)	3
Total	14

Semester 2	Credits
AEC 3030C Effective Oral Communication or SPC 2608 Introduction to Public Speaking	3
BSC 2011 and 2011L Integrated Principles of Biology 2 (3) and Integrated Principles of Biology 2 Laboratory (1) (GE-B)	4
ECO 2013 Principles of Macroeconomics (State Core GE-S)	4
ENC 1102 Argument and Persuasion (GE-C)	3
IUF 1000 What is the Good Life (GE-H)	3
Total	17

Semester 3	Credits
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AEC 3033C Research and Business Writing in Agricultural and Life Sciences (WR) or ENC 2210 Technical Writing	3
CHM 2045 and 2045L General Chemistry 1 (3) and General Chemistry 1 Laboratory (1) (GE-P)	4
Electives	8
Total	15

Semester 4	Credits
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MCB 2000 and 2000L Microbiology (3) and Microbiology Laboratory (1) (GE-B)	4
STA 2023 Introduction to Statistics 1 (GE-M)	3
Electives	3
Social and Behavioral Sciences (GE-S)	3
Total	13

Semester 5	Credits
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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

Semester 6	Credits
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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

Summer	Credits
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Commented [TM2]: ANS 3383L will be deleted from courses offered through Department

Commented [TM3]: ANS3384C Genetics of Domestic Animals

ANS 4941 Full-Time Practical Work Experience in Animal Science	3-8
Total	3-8

Semester 7	Credits
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ANS 3043 Growth and Development of Farm Animals	3
Approved electives	6
Approved food and resource economics course	3
Total	12

Semester 8	Credits
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ANS 4931 Senior Seminar	1
Approved electives	6
Approved food and resource economics course	3
Elective	3
Total	13

Approved Electives

Choose 12 credits: ANS 3246, 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

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

Animal Biology

This specialization is for students who wish to pursue professional or graduate programs. Students who plan to apply to the UF College of Veterinary Medicine in the equine, food animal or mixed-practice tracks are encouraged to select electives from the animal sciences programs.

Critical Tracking

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

Semester 1

- Complete 1 of 5 critical-tracking courses, excluding labs: BSC 2010/2010L, BSC 2011/2011L, CHM 2045/2045L, CHM 2046/2046L, MAC 2311

- 2.5 GPA required for all critical-tracking courses
- 2.0 UF GPA required

Semester 2

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

Semester 3

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

Semester 4

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

Semester 5

- Complete all critical-tracking courses, including labs

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Recommended Semester Plan

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

Semester 1		Credits
CHM 2045 and 2045L General Chemistry 1 (3) and General Chemistry 1 Laboratory (1) (State Core GE-B/P)		4
ENC 1101 Expository and Argumentative Writing (State Core GE-C) (WR)		3
Elective		3
Humanities (State Core GE-H)		3
	Total	13
Semester 2		Credits

AEC 3030C Effective Oral Communication or SPC 2608 Introduction to Public Speaking	3
CHM 2046 and 2046L General Chemistry 2 (3) and General Chemistry 2 Laboratory (1) (GE-P)	4
ENC 1102 Argument and Persuasion (GE-C)	3
IUF 1000 What is the Good Life (GE-H)	3
ECO 2013 Principles of Macroeconomics (State Core GE-S)	4
Total	17

Semester 3	Credits
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AEC 3033C Research and Business Writing in Agricultural and Life Sciences (WR) or ENC 2210 Technical Writing	3
BSC 2010 and 2010L Integrated Principles of Biology 1 (3) and Integrated Principles of Biology 1 Laboratory (1) (GE-B)	4
Electives	9
Total	16

Semester 4	Credits
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BSC 2011 and 2011L Integrated Principles of Biology 2 (3) and Integrated Principles of Biology 2 Laboratory (1) (GE-B)	4
MAC 2311 Calculus 1 (State Core GE-M)	4
Social and Behavioral Sciences (GE-S) (N)	3
Electives	4
Total	15

Semester 5		Credits
ANS 3006C Introduction to Animal Science		4
ANS 3440 Principles of Animal Nutrition		4
CHM 2210 Organic Chemistry 1		3
Elective		3
	Total	14
Semester 6		Credits
ANS 3319C Reproductive Physiology and Endocrinology of Domestic Animals		4
CHM 2211 and 2211L Organic Chemistry 2 (3) and Organic Chemistry 2 Laboratory (2)		5
Approved elective		3
Elective		3
	Total	15
Semester 7		Credits
ANS 3043 Growth and Development of Farm Animals		3
BCH 3025 Fundamentals of Biochemistry or BCH 4024 Introduction to Biochemistry and Molecular Biology		4
STA 2023 Introduction to Statistics 1 (GE-M)		3
Approved elective		3
Elective		3

	Total	16
Semester 8		Credits
MCB 3020 and 3020L Basic Biology of Microorganisms (3) and Basic Biology of Microorganisms Laboratory (1)		4
Approved elective		2
Electives		8
	Total	14

Approved Electives

Students must take a minimum of 8 credits of ANS courses in addition to the ANS courses identified above; 4 credits each of lecture and laboratory courses from the lists below:

- **Lecture** (4 credits minimum): ANS 2002, ANS 3251, ANS 3384, ANS 3404C, ANS 3405, ANS 3934, ANS 4615
- **Laboratory** (4 credits minimum): ANS 3206, ANS 3217C, ANS 3239L, ANS 3250L, ANS 3613L, ANS 3634C, ANS 4231, ANS 4604C, ANS 4635C
- **Consider as free electives these pre-vet requirements:**

Commented [TM4]: ANS3384C

AGR 3303 Genetics (3) or ANS 3384 Genetic Improvement of Farm Animals (3) or PCB 3063 Genetics (4) (GE-B)	3- 4
PHY 2053 and 2053L Physics 1 (4) and Physics 1 Laboratory (1) (GE-P)	5
PHY 2054 and 2054L Physics 2 (4) and Physics 2 Laboratory (1) (GE-P)	5

Commented [TM5]: ANS3384C Genetics of Domestic Animals (3)