

**UK Ag Equine Programs**

N212 Ag. Science Bldg. North

Lexington KY 40546-0091

Office: 859-257-2226, Fax: 859-323-8484

[www.ca.uky.edu/equine](http://www.ca.uky.edu/equine); [equine@uky.edu](mailto:equine@uky.edu)

December 4, 2018

Dear CAFE Undergraduate Curriculum Committee –

The Equine Science and Management undergraduate program is an interdisciplinary program within CAFE with approximately 300 students. Although this program underwent a substantial curriculum change in the 2017-2018 academic year, changes to other courses within CAFE and some other changes to the program necessitate a curriculum change. Below are the highlights of the changes being proposed.

## Major requirement course changes:

- The Department of Animal and Food Sciences has submitted a course change proposal to change ASC 310 (Equine Anatomy) from 2 to 3 credits. Because this course is required within our degree, we need to modify our curriculum accordingly. (see attached meeting minutes)
- EQM 106 (Introduction to Careers in the Equine Industry; 1 credit) will be added to our list of major requirement courses. With the hiring of our new internship coordinator and the inclusion of more career skills in our GCCR course (EQM 305; unchanged from current curriculum), our internship course (EQM 399, Equine Science and Management Internship) is now a more rigorous learning experience. It is beneficial if all of our students can be exposed to the variety of available equine careers early in their academic careers and start planning ahead for their culminating internship experience.

## The major tracks will also be slightly modified as followed:

- Since our last curriculum change, there have been two new courses submitted/approved: VS 507 (Advanced Horse Genetics) and ASC 220 (Applied Animal Behavior and Welfare), both of which will be included in the Equine Science track.
- The Equine Business track will be renamed to the Equine Management and Industry track.
- EQM 106 will now be a major requirement course; therefore, it will be removed from the Equine Management and Industry track.
- EQM 205 (Equine Career Preparation) has not been taught in several years and we do not plan to teach it in the foreseeable future, so to avoid student confusion, it is being removed from the Equine Management and Industry track.
- EQM 302 (Equine Event Planning) will be moved from the Equine Management and Industry to the Communications and Leadership track.

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- Changes in courses listed under each track are listed in the attached Appendix B.

Enclosed you will find the undergraduate program change form and appendices A, B and C with additional material related to the Equine Science and Management curriculum. These changes have been supported by the various participating Department Chairs and faculty and the Equine Science and Management Curriculum Committee. Supporting documentation is attached at the end of the packet as well as the SOCSOC document.

Thank you for your consideration. If you have questions, please feel free to contact me.

Sincerely,



Michael "Mick" Peterson, Ph.D.

UK Ag Equine Program Director

Professor of Biosystems and Agricultural Engineering

CHANGE UNDERGRADUATE DEGREE PROGRAM

PLEASE NOTE: To ensure that a series of changes to an existing degree program does not essentially create a new program, the Southern Association for the Accreditation of Colleges and Schools (SACS) requires submission of its Substantive Change Checklist for every program change. Prior to college-level review, you must fill out and submit the [SACS Substantive Change Checklist](#) to the Office of Institutional Effectiveness. Contact Institutional Effectiveness ([OSPIE@uky.edu](mailto:OSPIE@uky.edu)) for assistance.

Once approved at the college level, your college will send the proposal to the appropriate Senate academic council (HCCC and/or UC) for review and approval. Once approved at the academic council level, the academic council will send your proposal to the Senate Council office for additional review and then a 10-day posting online, during which senators review on their own and have an option to register an objection if they so desire. If no objection is raised to the Senate Council Office within ten days of the posting the proposal, then the program change is approved. The Senate Council Office will report approvals to the Provost, Registrar and other appropriate entities, including the contact person.

For every proposed change, you MUST also include the existing requirement.

SUMMARY OF CHANGES							
Check all that apply.							
<input type="checkbox"/>	Courses	<input type="checkbox"/>	Program name	<input type="checkbox"/>	Total required credit hours	<input type="checkbox"/>	Student learning outcomes
<input type="checkbox"/>	Criteria for admissions/progression/termination		<input type="checkbox"/>	Certificate assessment		<input type="checkbox"/>	Other
<b>1. General Information</b>							
1a	Date of contact with Institutional Effectiveness (IE) <sup>1</sup> :		February 5, 2019				
	<input checked="" type="checkbox"/> Appended to the end of this form is a PDF of the reply from Institutional Effectiveness.						
1b	College <sup>2</sup> :	College of Agriculture, Food & Environment	Department <sup>2</sup> :	UK Ag Equine Programs			
1c	CIP code <sup>3</sup> :	010307	Today's Date:	November 20, 2018			
1d	Current major name: (Biology, Design, etc.)	Equine Science and Management	Proposed major name:	No change			
1e	Current Degree (BA, BFA, etc.):	Bachelor of Science in Equine Science and Management	Proposed degree:	No change			
1f	Will there be any changes regarding a track(s) for the program?				Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
1g	Accrediting agency, if applicable:	n/a					
1h	Date of most recent periodic program review for this degree:		August 2015				

<sup>1</sup> Prior to college-level review, you must fill out and submit the SACS Substantive Change Checklist to the Office of Institutional Effectiveness. You can reach Institutional Effectiveness by phone or email (257-1962 or [OSPIE@uky.edu](mailto:OSPIE@uky.edu)).

<sup>2</sup> It is not possible to change the home academic unit of a degree program via this form. To change the home unit, visit <https://www.uky.edu/universitysenate/forms> and look for the heading, "Forms Related to Academic Organizational Structure."

<sup>3</sup> The CIP code is provided by Institutional Effectiveness. If a different CIP code is necessary, the program may undergo a review similar to the new program approval process.

CHANGE UNDERGRADUATE DEGREE PROGRAM

1i	Requested effective date:	<input checked="" type="checkbox"/> Fall semester following approval.	OR	<input type="checkbox"/> Specific Date <sup>4</sup> : <i>Fall 20</i>
1j	Contact person name:	Kristen Wilson	Phone / Email:	kristen.wilson1@uky.edu / 257-4610

**2. Overview of Changes**

2a	Describe the rationale for the changes, including results from the most recent program review if applicable. (450 word limit)
	<p>The Equine Science and Management undergraduate program is an interdisciplinary program within CAFE with approximately 300 students. Although this program underwent a substantial curriculum change in the 2017-2018 academic year, changes to other courses within CAFE and some other changes to the program necessitate a curriculum change. Below are the highlights of the changes being proposed.</p> <p>Major requirement course changes:</p> <ul style="list-style-type: none"> <li>• The Department of Animal and Food Sciences has submitted a course change proposal to change ASC 310 (Equine Anatomy) from 2 to 3 credits. Because this course is required within our degree, we need to modify our curriculum accordingly. (see attached meeting minutes)</li> <li>• EQM 106 (Introduction to Careers in the Equine Industry; 1 credit) will be added to our list of major requirement courses. With the hiring of our new internship coordinator and the inclusion of more career skills in our GCCR course (EQM 305; unchanged from current curriculum), our internship course (EQM 399, Equine Science and Management Internship) is now a more rigorous learning experience. It is beneficial if all of our students can be exposed to the variety of available equine careers early in their academic careers and start planning ahead for their culminating internship experience.</li> </ul> <p>The major tracks will also be slightly modified as followed:</p> <ul style="list-style-type: none"> <li>• Since our last curriculum change, there have been two new courses submitted/approved: VS 507 (Advanced Horse Genetics) and ASC 220 (Applied Animal Behavior and Welfare), both of which will be included in the Equine Science track.</li> <li>• The Equine Business track will be renamed to the Equine Management and Industry track.</li> <li>• EQM 106 will now be a major requirement course; therefore, it will be removed from the Equine Management and Industry track.</li> <li>• EQM 205 (Equine Career Preparation) has not been taught in several years and we do not plan to teach it in the foreseeable future, so to avoid student confusion, it is being removed from the Equine Management and Industry track.</li> <li>• EQM 302 (Equine Event Planning) will be moved from the Equine Management and Industry to the Communications and Leadership track.</li> <li>• Changes in courses listed under each track are listed in the attached Appendix B.</li> </ul>

2b	Use the fields below, as applicable, to identify the areas in which changes will be made.															
	<table border="1"> <thead> <tr> <th></th> <th>Current</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>i. Credit Hours of Premajor Courses:</td> <td align="center">18-23</td> <td align="center">18-23</td> </tr> <tr> <td>ii. Credit Hours of Preprofessional Courses:</td> <td align="center">0</td> <td align="center">0</td> </tr> <tr> <td>iii. Credit Hours of Major Core Course Requirements</td> <td align="center">29</td> <td align="center">31</td> </tr> <tr> <td>iv. Minimum Credit Hours of Guided Electives:</td> <td align="center">18</td> <td align="center">18</td> </tr> </tbody> </table>		Current	Proposed	i. Credit Hours of Premajor Courses:	18-23	18-23	ii. Credit Hours of Preprofessional Courses:	0	0	iii. Credit Hours of Major Core Course Requirements	29	31	iv. Minimum Credit Hours of Guided Electives:	18	18
	Current	Proposed														
i. Credit Hours of Premajor Courses:	18-23	18-23														
ii. Credit Hours of Preprofessional Courses:	0	0														
iii. Credit Hours of Major Core Course Requirements	29	31														
iv. Minimum Credit Hours of Guided Electives:	18	18														

<sup>4</sup> No program change(s) will be effective until all approvals are received.

CHANGE UNDERGRADUATE DEGREE PROGRAM

v.	Minimum Credit Hours of Free Electives:		5	3
vi.	Credit Hours for Track 1 (name): Equine Science		12-21	12-21
vii.	Credit Hours for Track 2 (name): Equine Business (New name: Equine Management and Industry)		12-21	12-21
viii.	Credit Hours for Track 3 (name): Communications and Leadership		12-21	12-21
ix.	Credit Hours for Track 4 (name):			
x.	Credit Hours for Track 5 (name):			
xi.	Credit Hours for Required Minor:			
xii.	Total Credit Hours Required by Level:	100-level:	22-28	23-29
		200-level:	3	3
		300-level:	18	19
		400-level:	3	3
		500-level:		
	<b>TOTAL CREDIT HOURS REQUIRED FOR GRADUATION:</b>		<u>120</u>	<u>120</u>
xv.	If the total hours required for graduation have changed, explain below. (150 word limit)			
	n/a			
2c	Will the requested change(s) result in the use of courses from another educational unit?		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	If "Yes," describe generally the courses and how they will used.			
	<p>Major requirement courses- A course offered through the Department of Animal and Food Sciences has changed from 2 credits to 3 credits. This was a change initiated by the Department of Animal and Food Sciences and necessitated this curriculum change proposal.</p> <p>Emphasis area courses- Students will be required to take courses offered through the following CAFE departments- Animal and Food Sciences (1 new course added), Community and Leadership Development (unchanged), Agricultural Economics (unchanged), Plant and Soil Sciences (unchanged) and Veterinary Sciences (1 new course added)</p>			
	<p>If "Yes," two pieces of supporting documentation are required.</p> <p><input checked="" type="checkbox"/> Check to confirm that appended to the end of this form is a letter of support from the appropriate chair/director<sup>5</sup> of each unit from which individual courses will be used.</p> <p><input checked="" type="checkbox"/> Check to confirm that appended to the end of this form is verification that the chair/director of each affected unit has consent from the faculty members of the unit. This typically takes the form of meeting minutes.</p>			
2d	Will the proposed change(s) affect an associated minor?		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

<sup>5</sup> A dean may submit a letter only when there is no educational unit below the college level, i.e. there is no department/school.

	If "Yes," the department must also submit a change form to change the minor.				
<b>3. UK Core Courses</b>					
3a	Are there any proposed changes to the UK Core requirements for the program? (If "Yes," indicate and proceed to next question. If "No," indicate and proceed to 4a.)			Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	If "Yes," note the specific changes in the grid below.				
<b>UK Core Area</b>		<b>Current Course</b>	<b>Current Credits</b>	<b>Proposed Course</b>	<b>Proposed Credits</b>
<b>I. Intellectual Inquiry</b>					
	Arts and Creativity	any approved course		<i>no change</i>	
	Humanities	any approved course		<i>no change</i>	
	Social Sciences	any approved course		<i>no change</i>	
	Natural/Physical/Mathematical	any approved course		<i>no change</i>	
<b>II. Composition and Communication</b>					
	Composition and Communication I	CIS/WRD 110	3	<i>CIS/WRD 110</i>	3
	Composition and Communication II	CIS/WRD 111	3	<i>CIS/WRD 111</i>	3
<b>III. Quantitative Reasoning</b>					
	Quantitative Foundations	MA 109, MA 123 or MA 113		<i>no change</i>	
	Statistical Inferential Reasoning	STA 210 or STA 296		<i>no change</i>	
<b>IV. Citizenship (one course in each area)</b>					
	Community, Culture & Citizenship in USA	GEN 100		<i>no change</i>	
	Global Dynamics	any approved course		<i>no change</i>	
<b>Total UK Core Hours</b>			<b><u>30-33</u></b>		<b><u>30-33</u></b>
3b	Provide the Bulletin language about UK Core.				
<b>4. Graduation Composition and Communication Requirement</b>					
4a	Will the Graduation Composition and Communication requirement be changed? (If "Yes," indicate and proceed to next question. If "No," indicate and proceed to 5a.)			Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	If "Yes," note the specific changes below, including changes to credit hours.				
	If the course(s) used are from outside the home unit, one piece of supporting documentation is required.				
	<input type="checkbox"/> Check to confirm that appended to the end of this form is a letter of support from the other units' chair/director <sup>6</sup> from which individual courses will be used.				
	<b>Current</b>		<b>Proposed</b>		

<sup>6</sup> A dean may submit a letter only when there is no educational unit below the college level, i.e. there are no departments/schools.

**CHANGE UNDERGRADUATE DEGREE PROGRAM**

i.	<input type="checkbox"/> Single course in home unit:	<input type="checkbox"/> <i>Single course in home unit:</i>
ii.	<input type="checkbox"/> Multiple courses in home unit.	<input type="checkbox"/> <i>Multiple courses in home unit.</i>
iii.	<input type="checkbox"/> Single course outside home unit.	<input type="checkbox"/> <i>Single course outside home unit.</i>
iv.	<input type="checkbox"/> Multiple courses outside home unit.	<input type="checkbox"/> <i>Multiple courses outside home unit.</i>
v.	<input type="checkbox"/> Course(s) inside & outside home unit.	<input type="checkbox"/> <i>Course(s) inside &amp; outside home unit.</i>

4b Provide the Bulletin language about GCCR below.

**5. Other Course Changes**

5a Will the college-level requirements change? (If “Yes,” indicate and note the specific changes in the grid below. If “No,” indicate and proceed to question 5c.) Yes  No

Current			Proposed			
<input type="checkbox"/> Standard college requirement			<input type="checkbox"/> <i>Standard college requirement</i>			
<input type="checkbox"/> Specific course			<input type="checkbox"/> <i>Specific course</i>			
Prefix & Nmbr	Credit Hrs	Title	Prefix & Nmbr	Credit Hrs	Title	Course Status <sup>7</sup>
						Select one....
						Select one....
						Select one....

5b Will the existing language in the Bulletin about college-level requirements change? Yes  No

If “Yes,” provide the new language below.

5c Will the pre-major or pre-professional course requirements change? (If “Yes,” indicate and note the specific changes in the grid below. If “No,” indicate and proceed to question 5e.) Yes  No

Current			Proposed			
Prefix & Nmbr	Credit Hrs	Title	Prefix & Nmbr	Credit Hrs	Title	Course Status <sup>8</sup>
						Select one....
						Select one....
						Select one....
						Select one....
						Select one....

5d Provide the Bulletin language about pre-major or pre-professional courses below.

<sup>7</sup> Use the drop-down list to indicate if the course is a new course (“new”), an existing course that will change (“change”), or if the course is an existing course that will not change (“no change”).

<sup>8</sup> Use the drop-down list to indicate if the course is new, exists but will change, or exists but will not change.





CHANGE UNDERGRADUATE DEGREE PROGRAM

5h	Provide the Bulletin language for guided electives.
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5i	Will the free electives change? (If “Yes,” indicate and note the specific changes in the space below. If “No,” indicate and proceed to question 5j.)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	Minimum will change from 5 to 3. See Appendix A		

5j	Does the proposed change affect any track(s)? (If “Yes,” note the specific changes using the grid below. If “No,” proceed to question 6.)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	If more than one track is affected, click <a href="#">HERE</a> for a template. Append a PDF for each affected track to the end of this form.		

Track Name:	See Appendix B	<input type="checkbox"/> New Track	<input type="checkbox"/> Changed Track	<input type="checkbox"/> Deleted Track		
Current			Proposed			
Prefix & Nmbr	Credit Hrs	Title	Prefix & Nmbr	Credit Hrs	Title	Course Status <sup>11</sup>
						Select one....
						Select one....
						Select one....
						Select one....
						Select one....
						Select one....

5k	Provide the Bulletin language for the track.
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**6. Semester by Semester Program**

List below the typical semester-by-semester program for the major. If multiple tracks are available, click [HERE](#) for a template for additional tracks and append a PDF of each track’s courses to the end of this form.

<b>YEAR 1 – FALL:</b> (e.g. “BIO 103; 3 credits”)	See Appendix C	<b>YEAR 1 – SPRING:</b>	
<b>YEAR 2 - FALL :</b>		<b>YEAR 2 – SPRING:</b>	
<b>YEAR 3 - FALL:</b>		<b>YEAR 3 - SPRING:</b>	
<b>YEAR 4 - FALL:</b>		<b>YEAR 4 - SPRING:</b>	

**7. Approvals/Reviews**

Information below does not supersede the requirement for individual letters of support from educational unit administrators and verification of faculty support (typically takes the form of meeting minutes).

*In addition to the information below, attach documentation of department and college approval. This typically takes the form of meeting minutes but may also be an email from the unit head reporting department- and college-level votes.*

	<b>Reviewing Group Name</b>	<b>Date Approved</b>	<b>Contact Person Name/Phone/Email</b>
7a	(Within College)		

<sup>11</sup> Use the drop-down list to indicate if the course is new, exists but will change, or exists but will not change.

CHANGE UNDERGRADUATE DEGREE PROGRAM

	Equine Science and Management Curriculum Committee	12/4/18	Kristen Wilson / 7-4610 / kristen.wilson1@uky.edu
	Undergraduate Comm, CAFE	2/1/19	Larry 7- 3469 / lq19bau@uky.edu
			/ /
			/ /
7b	(Collaborating and/or Affected Units)		
	Animal and Food Sciences	11/21/18	Dr. Richard Coffey / 7-2686 / richard.coffey@uky.edu
	Veterinary Sciences	11/20/18	Dr. David Horohov / 8-1085 / dwhoro2@uky.edu
			/ /
			/ /
			/ /
7c	(Senate Academic Council)	Date Approved	Contact Person Name
	Health Care Colleges Council (if applicable)		
	Undergraduate Council	3/5/19	Joanie Ett-Mims

### Explanation of the credit hour calculations:

Due to the nature of the Equine Science and Management degree program, where students have options within both the Pre-Major Requirements and the courses they choose for their respective track (which will be referred to as an 'Emphasis Area' from this point forward), there is also some variation in the credits corresponding to each of the sections in 2b on the curriculum change form. In order to eliminate any confusion, here is a breakdown of how the various credit hours were calculated for the proposed curriculum:

- i. Credit hours of Pre-major Courses: All students must take ECO 201 (3 CR), BIO 148 (3 CR) and BIO 152 (3 CR). Students may then select between MA 109 (3 CR), MA 123 (4 CR) or MA 113 (4 CR). Students may also complete CHE 105/111/107/113 (2 semesters of chemistry with labs; 10 CR total) or CHE 104/108 (2 semesters of chemistry without labs; 6 CR) or CHE 105/111/108 (a combination of the other options; 8 CR).

Therefore, the credits associated with pre-major courses vary between 18 CR (if MA 109 and CHE 104/108 are the options selected by the student) and 23 CR (if MA 123 and CHE 105/111/107/113 are the options selected by the student).

- ii. Credit hours of Pre-professional Courses: N/A
- iii. Credit hours of Major Core Course Requirements: In our proposed curriculum, all students will complete AEC 302 (4 CR), ASC 101 (3 CR), **ASC 310 (3 CR)**, ASC 320 (3 CR), EQM 101 (3 CR), EQM 105 (3 CR), EQM 106 (**1 CR**), EQM 305 (3 CR), EQM 351 (3 CR), EQM 399 (3 CR), and EQM 490 (3 CR), for a total of 29 CR. This differs from the current curriculum due to the increase in credits for ASC 310 from 2 to 3, and the addition of EQM 106, to the list of Major Core Course Requirements.
- iv. Credit hours of Guided Electives: These 18 CR are used to meet the 'Specialty Support' requirement, which is unchanged from the current curriculum.
- v. Minimum Credit hours of Free Electives: In addition to the credit hours associated with Pre-major (18 – 23 CR) and Major (31 CR) Requirements, and Guided Electives (18CR), our students also complete 21 CR associated with emphasis areas (see description for vi – ix, below) and 24 CR (students completing 23 CR as Pre-Major Requirements)– 27 CR (students completing 18 CR as Pre-Major Requirements) of UK Core classes (note: these are the credits that are not already accounted for in the Pre-Major Requirements; see explanation for section 3a, below). Therefore, students will have between 3-5 CR of Free Electives, depending on which Pre-Major courses they selected.
- vi. - ix. Credit Hours for Tracks (Emphasis Areas): The proposed Equine Science and Management degree has 3 potential Emphasis Areas: Equine Science, Equine Industry Management, and Communications and Leadership. Each of these emphasis

areas has a list of courses that students can select. Students must complete a total of 21 CR associated with Emphasis Area courses. Additionally, students must select at least 12 CR from a single Emphasis Area, with the remaining 9 CR coming from any of the emphasis areas. Therefore, for this form, we have indicated that students need between 12-21 CR for each of the 3 Emphasis Areas. This is unchanged from our current curriculum.

- xi. Credit Hours for Required Minor: N/A
- xii. Total Credit Hours Required by Level: In these calculations, we have only included the courses specifically listed as Pre-Major and Major Core requirements, because for the other categories, students can select the specific courses they complete.

100-level: BIO 148 (3 CR); BIO 152 (3 CR); MA 109 (3 CR) OR MA 123 (4 CR) OR MA 113 (4 CR); CHE 105/111/107/113 (10 CR) OR CHE 104/108 (6 CR) OR CHE 105/111/108 (8 CR); ASC 101 (3 CR); EQM 101 (3 CR); EQM 105 (2 CR); **EQM 106 (1 CR) = 24 – 29 CR**. This is a change from the current curriculum based on the addition of 1 CR of EQM 106.

200-level: ECO 201 (3 CR) = **3 CR**. This is unchanged from the current curriculum.

300-level\*: AEC 302 (4 CR); **ASC 310 (3 CR)**, ASC 320 (3 CR); EQM 305 (3 CR); EQM 351 (3 CR); EQM 396 (3 CR) OR EQM 399 (3 CR) = **18 CR**. This is a change from the current curriculum based on the addition of 1 credit to ASC 310.

400-level\*: EQM 490 (3 CR) = **3 CR**. There is no change from the current curriculum.

\*Note: there is also a requirement for 45 CR at or above the 300-level. Students will complete the remaining 24 CR through their selection of Emphasis Area and Specialty Support (Guided Electives) courses.

There is also some variation in the credit hours for the UK Core Classes (section 3a). The Quantitative Foundations UK Core courses are also those included on the list of Pre-Major Requirements (MA 109 or MA 123 or MA 113; 3 – 4 CR). Additionally, for our students that use CHE 105/111 to meet a portion of their Pre-Major Requirements, this will also meet the Natural/Physical/Mathematical UK Core Requirement (5 CR). For our students that do not complete CHE 105/111, they will need to select a course from the approved list to meet the Natural/Physical/Mathematical UK Core Requirement. Therefore, the total number of credit hours associated with UK Core ranges from 30 – 33 CR. However, the number of unduplicated credits associated with UK Core (ie. credits not included as a part of the Pre-Major Requirements) ranges from 24 – 27 CR.

**Appendix B - Equine Science and Management Track Changes (Section 5j of form)**

Note: Bold, italicized courses are new courses added to the emphasis area.

Tracks (Emphasis Area) - Current Curriculum	Tracks (Emphasis Area) – New (Proposed) Curriculum
<p><u>Requirement:</u> Students must have one emphasis area. In order to have an emphasis area, students must take 12 credits in one area. Students will then select 9 additional credits from any emphasis area. 21 credit hours in emphasis area courses total must be completed.</p>	<p><u>Requirement:</u> Students must have one emphasis area. In order to have an emphasis area, students must take 12 credits in one area. Students will then select 9 additional credits from any emphasis area. 21 credit hours in emphasis area courses total must be completed.</p>
<p><b>Equine Science Emphasis Area –</b></p> <ul style="list-style-type: none"> <li>• ASC 311 – Advanced Equine Evaluation</li> <li>• ASC 325 – Animal Physiology</li> <li>• ASC 364 – Reproductive Physiology of Farm Animals</li> <li>• ASC 378 – Animal Nutrition and Feeding</li> <li>• ASC 380 – Applied Animal Nutrition</li> <li>• ASC 389 – Advanced Equine Nutrition and Feeding</li> <li>• ASC 410G – Equine Science</li> <li>• EQM 300 – Topics in Equine Science and Management</li> <li>• PLS 366 – Fundamentals of Soil Science</li> <li>• PLS 510 – Forage Management and Utilization</li> <li>• VS 307 – Genetics of Horses</li> <li>• VS 500 – Advanced Equine Reproduction</li> </ul>	<p><b>Equine Science Emphasis Area –</b></p> <ul style="list-style-type: none"> <li>• ASC 311 – Advanced Equine Evaluation</li> <li>• ASC 325 – Animal Physiology</li> <li>• ASC 364 – Reproductive Physiology of Farm Animals</li> <li>• ASC 378 – Animal Nutrition and Feeding</li> <li>• ASC 380 – Applied Animal Nutrition</li> <li>• ASC 389 – Advanced Equine Nutrition and Feeding</li> <li>• ASC 410G – Equine Science</li> <li>• EQM 300 – Topics in Equine Science and Management</li> <li>• PLS 366 – Fundamentals of Soil Science</li> <li>• PLS 510 – Forage Management and Utilization</li> <li>• VS 307 – Genetics of Horses</li> <li>• VS 500 – Advanced Equine Reproduction</li> <li>• <b><i>ASC 220: Applied Animal Behavior and Welfare</i></b></li> <li>• <b><i>VS 507: Advanced Horse Genetics</i></b></li> </ul>
<p><b>Equine Business Emphasis Area –</b></p> <ul style="list-style-type: none"> <li>• AEC 305 – Food and Agricultural Marketing Principles</li> <li>• AEC 312 – Equine Markets</li> <li>• AEC 320 – Agricultural Product Marketing and Sales <u>OR</u> MKT 300 – Marketing Management</li> <li>• AEC 324 – Agricultural Law</li> <li>• AEC 325 – Equine Law</li> </ul>	<p><b>(New Name): Equine Management and Industry Emphasis Area –</b></p> <ul style="list-style-type: none"> <li>• AEC 305 – Food and Agricultural Marketing Principles</li> <li>• AEC 312 – Equine Markets</li> <li>• AEC 320 – Agricultural Product Marketing and Sales <u>OR</u> MKT 300 – Marketing Management</li> <li>• AEC 324 – Agricultural Law</li> <li>• AEC 325 – Equine Law</li> </ul>

<ul style="list-style-type: none"> <li>• AEC 340 – Human Resource Management in Agriculture</li> <li>• EQM 106 – Introduction to Careers in the Equine Industry</li> <li>• EQM 205 – Equine Career Preparation</li> <li>• EQM 210 – Tools and Tack in the Equine Industry</li> <li>• EQM 300 – Topics in Equine Science and Management</li> <li>• EQM 301 – Thoroughbred Sales</li> <li>• EQM 302 – Equine Event Planning</li> <li>• EQM 340 – Equine Facility Design and Management</li> </ul>	<ul style="list-style-type: none"> <li>• AEC 340 – Human Resource Management in Agriculture</li> <li>• <del>EQM 106 – Introduction to Careers in the Equine Industry</del></li> <li>• <del>EQM 205 – Equine Career Preparation</del></li> <li>• EQM 210 – Tools and Tack in the Equine Industry</li> <li>• EQM 300 – Topics in Equine Science and Management</li> <li>• EQM 301 – Thoroughbred Sales</li> <li>• <del>EQM 302 – Equine Event Planning</del></li> <li>• EQM 340 – Equine Facility Design and Management</li> </ul>
<p><b>Communications and Leadership –</b></p> <ul style="list-style-type: none"> <li>• CLD 102 – Dynamics of Rural Social Life</li> <li>• CLD 230 – Intrapersonal Leadership</li> <li>• CLD 260 – Community Portraits</li> <li>• CLD 320 – Community and Communication</li> <li>• CLD 400 – Agricultural Community Campaigns</li> <li>• CLD 401 – Principles of Cooperative Extension</li> <li>• CLD 402 – Principles of Leadership</li> <li>• CLD 403 – Leadership and Communication</li> <li>• CLD 404 – Contemporary Leadership Applications</li> <li>• CLD 430 – Leading in Communities</li> <li>• CLD 530 – Fundamentals of Organizational Leadership</li> <li>• CLD 495 – Topic Seminars in Community Leadership and Development</li> <li>• EQM 300 – Topics in Equine Science and Management</li> </ul>	<p><b>Communications and Leadership –</b></p> <ul style="list-style-type: none"> <li>• CLD 102 – Dynamics of Rural Social Life</li> <li>• CLD 230 – Intrapersonal Leadership</li> <li>• CLD 260 – Community Portraits</li> <li>• CLD 320 – Community and Communication</li> <li>• CLD 400 – Agricultural Community Campaigns</li> <li>• CLD 401 – Principles of Cooperative Extension</li> <li>• CLD 402 – Principles of Leadership</li> <li>• CLD 403 – Leadership and Communication</li> <li>• CLD 404 – Contemporary Leadership Applications</li> <li>• CLD 430 – Leading in Communities</li> <li>• CLD 530 – Fundamentals of Organizational Leadership</li> <li>• CLD 495 – Topic Seminars in Community Leadership and Development</li> <li>• EQM 300 – Topics in Equine Science and Management</li> <li>• <b><i>EQM 302 – Equine Event Planning</i></b></li> </ul>

# Appendix C - Bachelor of Science in Equine Science & Management

## Suggested Four Year Plan (Section 6 of Program Change Form)

### Year One

Fall			Spring		
EQM 101	Intro to Horse & Horse Industry	3	ASC 101	Domestic Animal Biology	3
GEN 100	Issues in Ag, Food & Env.	3	EQM 105	Equine Behavior & Handling	2
CHE 105	General Chemistry I &	4	CHE 107	General Chemistry II &	3
CHE 111	General Chemistry Lab I <u>OR</u>	1	CHE 113	General Chemistry Lab II <u>OR</u>	2
CHE 104*	Intro to General Chemistry	3	CHE 108	Intro of Organic, Inorganic &	
CIS/WRD 110	Composition &	3		Biochemistry	3
	Communication I		CIS/WRD 111	Composition &	3
MA 109 <u>or</u>	College Algebra or			Communication II	
123 <u>or</u> 113	Elementary Calculus	<u>3-4</u>	UK Core	Humanities	3
		15-18	EQM 106	Intro to Equine Careers	<u>1</u>
					15-17

### Year Two

Fall			Spring		
ASC 320	Equine Management	3	ASC 310	Equine Anatomy	3
BIO 148	Principles of Biology I	3	UK Core	Global Dynamics	3
STA 210 <u>or</u>	Intro to Statistical Reasoning <u>or</u>	3		Emphasis Area Course	3
296	Statistical Methods &		BIO 152	Principles of Biology II	3
	Motivations		EQM 305	Equine Industry Issues (GCCR)	<u>3</u>
UK Core	Social Sciences	3			15
ECO 201	Principles of Econ I	<u>3</u>			
		15			

### Year Three

Fall			Spring		
UK Core	Arts & Creativity	3	EQM 351	Equine Health & Diseases	3
	Emphasis Area Courses	6	AEC 302	Agricultural Mgmt. Principles	4
	Specialty Support	3		Emphasis Area Courses	6
	Electives	<u>0-3</u>		Specialty Support	<u>3</u>
		12-15			16

### Year Four

Fall			Spring		
EQM 399	ESMA Internship	3	EQM 490	Capstone In ESMA	3
	Specialty Support	6		Emphasis Area Course	3
	Emphasis Area Course	3		Specialty Support	6
UK Core	Natural Science* <u>OR</u>			Electives	<u>2</u>
	Electives	<u>3</u>			14
		15			

Minimum Total Required Hours: 120

\*If a student completes CHE 104 & CHE 108, he/she must complete one of the recommended Natural, Physical, and Mathematical Science courses in the UK Core.

NOTE: If a student completes CHE 105 & 111 and CHE 107/113 vs. the CHE 104 and CHE 108 sequence, the number of elective hours needed to reach the 120 credit hours total will vary.

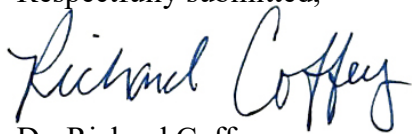
November 21, 2018

Dr. Mick Peterson  
Director, Equine Programs  
College of Agriculture, Food and Environment  
N212 Ag Science North  
Lexington, KY 40546

Dr. Peterson:

This letter is being provided relative to the proposed curriculum changes for the multidisciplinary, undergraduate Equine Science and Management (EQM) degree program. As background, the Department of Animal and Food Sciences has already approved changing ASC 310 from a 2-credit hour to a 3-credit hour course, so we support EQM making this curriculum change for the course. Additionally, the department has also approved the development of the new ASC 220 course, and we are supportive of this course being added to the EQM Science emphasis area.

Respectfully submitted,



Dr. Richard Coffey  
Chair, Animal and Food Sciences



## Wilson, Kristen

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**From:** Coffey, Richard  
**Sent:** Thursday, February 7, 2019 1:19 PM  
**To:** Wilson, Kristen  
**Cc:** Urschel, Kristine; Peterson, Michael L; Coffey, Richard  
**Subject:** FW: Need Quick Vote

This past week I asked the Animal and Food Sciences faculty to vote on the two ESMA curriculum changes listed below. 32 of the department's 34 faculty returned a ballot with their vote, and all 32 voted to approve the curriculum changes.

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**From:** Animal Science Faculty <[ANSCIFAC@LSV.UKY.EDU](mailto:ANSCIFAC@LSV.UKY.EDU)> **On Behalf Of** Coffey, Richard  
**Sent:** Tuesday, February 05, 2019 8:20 AM  
**To:** [ANSCIFAC@LSV.UKY.EDU](mailto:ANSCIFAC@LSV.UKY.EDU)  
**Subject:** Need Quick Vote

Equine Science and Management (ESMA) recently made a couple of curriculum changes that require a vote of approval from all departments that contribute to the degree program, as well as a letter of support from the department's Chair. Before I submit a letter of support, I need a vote from the faculty on the curriculum changes. The changes are as follows:

1. ASC 220 (Applied Animal Behavior and Welfare is being added to the ESMA Science emphasis area
2. Continuing to list ASC 310 (Equine Anatomy), which was recently changes from 2 to 3 credits, as a major course requirement for ESMA

Use the ballot below to provide your vote to Cindy Stidham ([cindy@email.uky.edu](mailto:cindy@email.uky.edu)) **by 3:00 p.m. on Thursday, February 7.**

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### Concerning the two curriculum changes for ESMA:

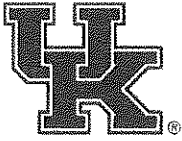
\_\_\_\_\_ I approve of these changes

\_\_\_\_\_ I do not approve of these changes

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*Richard D. Coffey*

Dr. Richard Coffey, Chair  
Department of Animal and Food Sciences  
College of Agriculture, Food and Environment  
University of Kentucky  
907 W.P. Garrigus Building  
Lexington, KY 40546-0215  
Phone: (859) 257-2686  
Fax: (859) 257-2534  
Email: [Richard.Coffey@uky.edu](mailto:Richard.Coffey@uky.edu)



**University of Kentucky**  
College of Agriculture,  
Food and Environment  
Department of Veterinary Science

February 7, 2019

Dr. Mick Peterson  
Director, Equine Programs  
College of Agriculture, Food and Environment  
N212 Ag Science North  
Lexington, KY 40546

Dear Dr. Peterson,

The faculty of the Department of Veterinary Science met on February 6, 2019 to consider the addition of VS 507 (Advanced Horse Genetics) to the science emphasis area of the Equine Science and Management curriculum. Of the 32 faculty members of the department, 27 were in attendance and all voted in favor of this change. We appreciate the continuing efforts of the Equine Programs faculty and staff to enhance the educational experience of these students.

Please feel free to contact me again, if needed.

Sincerely yours,

A handwritten signature in black ink, appearing to read 'D. Horohov'.

David W. Horohov, Ph.D.  
Chair of Veterinary Science and  
Director of Gluck Equine Research Center

seeblue.

## Equine Science and Management Curriculum Committee Minutes

December 4, 2018

In attendance: Kristine Urschel, Savannah Robin, Camie Heleski, Kristen Wilson, Mick Peterson, Jackie Wahrmund and Richard Coffey.

1. Program and Course Change Documents
  - a. No edits were recommended to the packet. Roberta motioned and Jackie seconded the motion to send the program change packet as presented to the College UCC as soon as possible. Motion passed unanimously. (Yes: 7 and No: 0)
2. EQM 490 Instructor Change
  - a. Needed starting Fall 2019 semester. Teach as 1 section with only 25 seats. Instructor TBD for now
  - b. Students need different points of view between issues based courses (EQM 101, EQM 305 and EQM 490) and it needs to be a well-established faculty member
  - c. Need to do an overall evaluation of who is teaching what course in ESMA as well as ASC
  - d. Instructor Suggestions – Laurie Lawrence, Jill Stowe
  - e. Mick will start conversations with potential instructors
3. EQM 351 Scheduling Needs
  - a. Fernanda might be submitting paperwork to be on sabbatical in fall 2019
  - b. Kristen will try to run reports in Tableau to figure out student needs in early January
4. Academic Enrichment – Adding Research and/or Service Learning component?
  - a. Dr. Grabau suggested us adding an EQM 395 course to our Academic Enrichment Experience list of options
  - b. More conversations need to happen as well as completing the QA Commons Project before a final decision can be made. For now students can continue to do research based internships as EQM 399 and use XXX 395 within the individual departments for special problems research opportunities outside of the internship experience
5. QA Commons Project and Essential Employability Qualities (EEQ) SWOT Analysis
  - a. Ideas for collecting information –
    - i. Having them fill out a form during academic advising of extracurricular activities and employment in the industry
6. Research Methods in Equine Science course
  - a. Jessica Scare is interested in teaching an equine course in the summer to be cross listed as a graduate and undergraduate course in research methods in equine science
    - i. How would it be cross listed as an EQM and VS course (undergrad vs/ graduate level)
  - b. Kristine will respond to Jessica and request a sample syllabus

## Wilson, Kristen

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**From:** noreply@qualtrics-survey.com  
**Sent:** Friday, February 8, 2019 7:14 PM  
**To:** Wilson, Kristen  
**Subject:** Substantive Change Decision

Dear Kristen Wilson,

Thank you for your email regarding the proposed program change(s) to **Equine Science and Management, Bachelor's (01.0307)**.

My email will serve 2 purposes: 1.) Next steps for SACSCOC, and 2.) Verification and notification that you have contacted OSPIE—a Senate requirement for proposal approval.

1. **Next steps for SACSCOC:** None required
2. **Verification that OSPIE has reviewed the proposal:** Based on the proposal documentation presented and Substantive Change Checklist, the proposed program changes (refer to list below) are not substantive changes as defined by the University or SACSCOC, the university's regional accreditor. Therefore, no additional information is required by the Office of Strategic Planning & Institutional Effectiveness at this time. The proposed program change(s) may move forward in accordance with college and university-level approval processes.

### Description of Proposed Change(s):

· The Equine Science and Management undergraduate program is an interdisciplinary program within CAFE with approximately 300 students. Although this program underwent a substantial curriculum change in the 2017-2018 academic year, changes to courses within CAFE have necessitated a curriculum change. Below are the highlights of the changes being proposed. Major requirement course changes: •The Department of Animal and Food Sciences has submitted a course change proposal to change ASC 310 (Equine Anatomy) from 2 to 3 credits. Because this course is required within our degree, we need to modify our curriculum accordingly. •EQM 106 (Introduction to Careers in the Equine Industry; 1 credit) will be added to our list of major requirement courses. With the hiring of our new internship coordinator and the inclusion of more career skills in our GCCR course (EQM 305; unchanged from current curriculum), our internship course (EQM 399, Equine Science and Management Internship) is now a more rigorous learning experience. It is beneficial if all of our students can be exposed to the variety of available equine careers early in their academic careers and start planning ahead for their culminating internship experience. The major tracks (from now on referred to as Emphasis Areas) will also be slightly modified as followed: •Since our last curriculum change, there have been two new courses submitted/approved: VS 507 (Advanced Horse Genetics) and ASC 220 (Applied Animal Behavior and Welfare), both of which will be included in the Equine Science Emphasis Area. •The Equine Business Emphasis Area will be renamed to the Equine Management and Industry emphasis area. •EQM 106 will now be a major requirement course; therefore; it will be removed from the Equine Management and Industry emphasis area. •EQM 205 (Equine Career Preparation) has not been taught in several years and we do not plan to teach it in the foreseeable future, so to avoid student confusion, it is being removed from the Equine Management and Industry Emphasis Area. •EQM 302 (Equine Event Planning) will be moved from the Equine

Management and Industry to the Communications and Leadership Emphasis Area. Changes in courses listed under each Emphasis Area are listed in the attached Appendix B.

Should you have questions or concerns about UK's substantive change policy and its procedures, please do not hesitate contacting our office.

Office of Strategic Planning & Institutional Effectiveness

University of Kentucky

Visit the Institutional Effectiveness

Website: <https://proxy.qualtrics.com/proxy/?url=http%3A%2F%2Fwww.uky.edu%2Fie&token=w%2BXHkAS0tASxS4xDceQ8e0MxnHdJ2Eu4smnkDcYodCE%3D>