

**MEMORANDUM TO:** Ogden College of Science and Engineering Curriculum Committee

Dr. Katie Algeo  
Dr. Taha Alyousef  
Dr. Doug Harper  
Dr. Phil Lienesch  
Dr. Jeremy Maddox

Dr. Michelle Jackson  
Dr. Andy Mienaltowski  
Dr. Les Pesterfield  
Dr. Todd Willian

**FROM:** Kenneth Crawford, Chair

**SUBJECT:** Agenda for Thursday, April 4, 2019 4:00 p.m. in OCH 1028

**A. OLD BUSINESS:**

- I. Consideration of the minutes of the February 28, 2019 meeting.

**B. NEW BUSINESS:**

<b>Type of item</b>	<b>Description of Item &amp; Contact Information</b>
Consent	<b>Proposal to Revise Course Prerequisites</b> CS 360, Software Engineering 1, 1 hr. Contact: Michael Galloway, <a href="mailto:jeffrey.galloway@wku.edu">jeffrey.galloway@wku.edu</a> , x2859
Action	<b>Proposal to Revise Course Credit Hours</b> AGED 200, Foundations of Agricultural Education, 1 hr. Contact: Thomas Kingery, <a href="mailto:Thomas.kingery@wku.edu">Thomas.kingery@wku.edu</a> , x5966
Action	<b>Proposal to Revise Course Credit Hours</b> AGMC 371, Agriculture Mechanics, 2 hrs. Contact: Thomas Kingery, <a href="mailto:Thomas.kingery@wku.edu">Thomas.kingery@wku.edu</a> , x5966
Action	<b>Proposal to Revise Course Credit Hours</b> AGMC 372, Agriculture Mechanics Lab, 1 hr. Contact: Thomas Kingery, <a href="mailto:Thomas.kingery@wku.edu">Thomas.kingery@wku.edu</a> , x5966
Action	<b>Proposal to Create a New Course</b> ANSC 430, Equine Health and Welfare, 2 hrs. Contact: Jennifer Gill, <a href="mailto:Jennifer.gill@wku.edu">Jennifer.gill@wku.edu</a> , x5962
Action	<b>Proposal to Create a New Course</b> ANSC 431, Equine Health and Welfare Lab, 1 hr. Contact: Jennifer Gill, <a href="mailto:Jennifer.gill@wku.edu">Jennifer.gill@wku.edu</a> , x5962

**C. OTHER BUSINESS**

**Members Present:**

Dr. Katie Algeo  
Dr. Phil Lienesch  
Dr. Jeremy Maddox  
Dr. Michelle Jackson

Dr. Andy Mienaltowski  
Dr. Mike Carini (for Harper)

**FROM:** Ken Crawford, Chair

The meeting was called to order at 4:00pm.

**OLD BUSINESS:**

Jackson/Algeo moved to approve of the minutes of the February 7<sup>th</sup> meeting. Motion passed.

**NEW BUSINESS:**

**Consent Agenda**

Mienaltowski requested that the BIOL 175 Proposal be moved to the Action Agenda

Mienaltowski /Jackson moved to approve the consent agenda. Motion passed unanimously.

**Action Agenda**

**Biology Department**

Mienaltowski/Lienesch moved to approve Proposal to Reactivate a Suspended Course: BIOL 175. Motion passed unanimously with friendly amendment.

**Psychological Sciences Department**

Jackson/Algeo moved to approve Proposal to Revise a Program Ref. 747 & 747E. Motion passed unanimously. Proposal will be held in the college until the moratorium imposed by the Provost is ended.

**OTHER BUSINESS:** None

Meeting Adjourned 4:09pm

**Ogden College  
School of Engineering and Applied Sciences  
Proposal to Revise Course Prerequisites  
(Consent Item)**

Contact Person: Michael Galloway, Jeffrey.galloway@wku.edu, 270-745-2859

- 1. Identification of course:**
  - 1.1 Course prefix (subject area) and number: CS 360
  - 1.2 Course title: Software Engineering I
- 2. Current prerequisites: A grade of "C" or better in CS 221 and COMM 145**
- 3. Proposed prerequisites: (CS 221 with a "C" or better) or (CS 239 with a "B" or better or CS 180 with a "B" or better and EE 380 with a "C" or better) and COMM 145 with a "C" or better**
- 4. Rationale for the revision of prerequisites: Creating a path for Electrical Engineering Students to take Software Engineering. Electrical Engineering students with CS 180 or CS 239 and EE 380 will be adequately prepared for CS 360. The CS 360 instructor will be responsible for checking the course prerequisites.**
- 5. Effect on completion of major/minor sequence: Not applicable**
- 6. Proposed term for implementation: Fall 2019**
- 7. Dates of prior committee approvals:**

School of Engineering and Applied Sciences  
Ogden College Curriculum Committee  
Undergraduate Curriculum Committee  
University Senate

11/9/18

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Proposal Date: February 7, 2019

**Ogden College of Science and Engineering  
Department of Agriculture and Food Science  
Proposal to Revise Course Credit Hours  
(Action Item)**

Contact Person: Thomas Kingery, [Thomas.kingery@wku.edu](mailto:Thomas.kingery@wku.edu), 745-5966

**1. Identification of course:**

- 1.1 Current course prefix (subject area) and number: AGED 200
- 1.2 Course title: Foundations of Agriculture Education
- 1.3 Credit hours: 1

**2. Proposed course credit hours: 3**

**3. Rationale for the revision of course credit hours:**

**The current one hour course is not enough time for implementation. The students would benefit from an extended time frame so they may have more in class teacher training opportunities in Agricultural Education. Some students are not aware of the full range of the Agricultural Education concentration and what it takes to be an effective instructor. Adding the additional hours will assist in this process.**

**4. Proposed term for implementation: First available.**

**5. Dates of prior committee approvals:**

Agriculture and Food Science

Ogden College Curriculum Committee

Professional Education Council

Undergraduate Curriculum Committee

University Senate

February 21, 2019

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Proposal Date: February 7, 2019

**Ogden College of Science and Engineering  
Department of Agriculture and Food Science  
Proposal to Revise Course Credit Hours  
(Action Item)**

Contact Person: Thomas Kingery, [Thomas.kingery@wku.edu](mailto:Thomas.kingery@wku.edu), 745-5966

**1. Identification of course:**

- 1.1 Current course prefix (subject area) and number: AGMC 371
- 1.2 Course title: Agriculture Mechanics
- 1.3 Credit hours: 2

**2. Proposed course credit hours: 1**

**3. Rationale for the revision of course credit hours:**

**The AGMC 371 course is a lecture course and one hour of lecture is sufficient to cover lecture content.**

**4. Proposed term for implementation: First available**

**5. Dates of prior committee approvals:**

Agriculture and Food Science

Ogden College Curriculum Committee

Professional Education Council (if applicable)

Undergraduate Curriculum Committee

University Senate

February 21, 2019

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Proposal Date: February 7, 2019

**Ogden College of Science and Engineering  
Department of Agriculture and Food Science  
Proposal to Revise Course Credit Hours  
(Action Item)**

Contact Person: Thomas Kingery, [Thomas.kingery@wku.edu](mailto:Thomas.kingery@wku.edu), 745-5966

**1. Identification of course:**

- 1.1 Current course prefix (subject area) and number: AGMC 372
- 1.2 Course title: Agriculture Mechanics Lab
- 1.3 Credit hours: 1

**2. Proposed course credit hours: 2**

**3. Rationale for the revision of course credit hours:**

The AGMC 372 course is a laboratory course for applied learning and needs two hours of laboratory time to work on welding techniques. This will make class scheduling more efficient.

**4. Proposed term for implementation: First available**

**5. Dates of prior committee approvals:**

Agriculture and Food Science  
Ogden College Curriculum Committee  
Professional Education Council (if applicable)  
Undergraduate Curriculum Committee  
University Senate

February 21, 2019

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**(Action Item)**

**Proposal to Create a New Course:  
Ogden College  
Department/Unit: Agriculture and Food Science**

**Section 1: Proponent Contact Information**

- 1.1 Name/Title: Jennifer Gill**
- 1.2 Email address: Jennifer.gill@wku.edu**
- 1.3 Phone #270-745-5962**

**Section 2: Course Catalog Information**

- 2.1 Course prefix (subject area) and number: ANSC 430**
- 2.2 Course CIP code:**
- 2.3 Course title: Equine Health and Welfare**
- 2.4 Abbreviated Course title: Equine Health and Welfare**
- 2.5 Credit hours/Variable credit: 2**
- 2.6 Repeatability: N/A**
- 2.7 Course Term: Is this course intended to span more than a single term?**  
**YES NO**
- 2.8 Course Catalog Description:** Principles of equine health and welfare will be discussed with an emphasis on industry standards of care. Topics covered include body systems, nutritional management, husbandry, lameness and pain management, euthanasia, and welfare in areas of production and sport.
- 2.9 Prerequisite/Corequisites/Restrictions:** Corequisite: ANSC 431;  
Prerequisites: ANSC 130 and ANSC 131
- 2.10 Additional Enrollment Requirements:** None
- 2.11 Other Special Course Requirements:** None
- 2.12 Grade Type:** Standard Letter A-F Grade
- 2.13 Schedule Type:** Lecture/Lab

## Section 3: Description of proposed course

### 3.1 Course Content Summary: This course will cover the following topics:

- The unwanted horse, equine rescues and support programs
- Equine welfare and ethics
- Neglect of the companion horse
- Disease prevention and preventative care
- Lameness evaluation and diagnosis
- Disease of the lower limb and hoof
- Psychological needs and quality of life
- Euthanasia
- Pain and pain management
- Body systems
- Welfare issues in horse racing, rodeo/cow horses, dressage, endurance, eventing, U.S. agriculture, carriage, research and wild horses

### 3.2 Learning Outcomes: Upon successful completion of this course, students should be able to:

- Explain basic standards of care according to law and examples of satisfactory husbandry and preventative care practices.
- Recognize signs of pain and distress in horses and ways to limit this through management, medications, and therapies.
- Apply concepts of equine behavior to the welfare and management of horses in a stable setting.
- Know the body systems and notable diseases in horses regarding their pathogenesis, diagnosis, treatment, and prevention.
- Debate key issues of welfare in different equine industry sectors.

### 3.3 Assessment/Evaluation: Students will be assessed through examinations, in-class quizzes, group projects and assignments related to lecture material.

## Section 4: Rationale

**4.1 Reason for developing this proposed course:** The horse industry is extremely diverse and offers excellent employment prospects. Horses are especially important to the culture of Kentucky with its extensive racing, breeding and performance sectors. Students preparing for careers in most aspects of agriculture and food science will benefit from familiarity with knowledge about welfare and health management in horses. Students will acquire the knowledge to evaluate the care and management of horses in a variety of industries from rodeo to slaughter.

### 4.2 Relationship to similar courses offered by other university departments/units:

- Do any other courses already being offered by other university departments/units share content with this proposed course? YES **NO**
- Are any of the proposed pre/co-requisites for this course offered by another university department/unit? YES **NO**



- If the answer to both questions is NO, simply proceed to item 5.
- If the answer to either of those questions is YES, indicate here who in the affected departments/units was consulted, and the dates of those consultations:

## **Section 5: Projected Enrollments/Resources**

**5.1 How many students per section are expected to enroll in this proposed course?** Approximately 20-30 students per semester.

**5.2 How many sections of this course per academic year will be offered?**  
One section

**5.3 How many students per academic year are expected to enroll?**  
Approximately 20-30 students per academic year.

**5.4 How were these projections calculated? Explain any supporting evidence/data you have for arriving at these projections.** Projections were based on previous enrollment in similar equine courses that draw upper-level students interested in equine.

**5.5 Proposed method of staffing:** Current faculty will teach this course as part of their contracted number of hours.

**5.6 Instructional technology resources:** Current resources are sufficient.

**5.7 Library resources:** Will this proposed course require the use of library resources (books, journals, reference materials, audio-visual materials, electronic databases, etc.)? YES **NO**

If YES, was a Library Resources Form submitted to the appropriate collection development librarian prior to consideration at the college curriculum level?

**Section 6: Proposed term for implementation:** First available (Fall 2020)

**Section 7: Supplemental/Supporting Documentation:**N/A

**(Action Item)**

**Proposal to Create a New Course:  
Ogden College  
Department/Unit: Agriculture and Food Science**

**Section 1: Proponent Contact Information**

- 1.1 Name/Title: Jennifer Gill**
- 1.2 Email address: Jennifer.gill@wku.edu**
- 1.3 Phone #270-745-5962**

**Section 2: Course Catalog Information**

- 2.1 Course prefix (subject area) and number: ANSC 431**
- 2.2 Course CIP code:**
- 2.3 Course title: Equine Health and Welfare Laboratory**
- 2.4 Abbreviated Course title: Equine Health and Welfare Lab**
- 2.5 Credit hours/Variable credit: 1**
- 2.6 Repeatability: N/A**
- 2.7 Course Term: Is this course intended to span more than a single term?**  
YES NO
- 2.8 Course Catalog Description:** A laboratory course correlated with ANSC 430.
- 2.9 Prerequisite/Corequisites/Restrictions:** Corequisite: ANSC 430.
- 2.10 Additional Enrollment Requirements:** None
- 2.11 Other Special Course Requirements:** None
- 2.12 Grade Type:** Standard Letter A-F Grade
- 2.13 Schedule Type:** Laboratory

## Section 3: Description of proposed course

### 3.1 Course Content Summary: This course will cover the following topics:

- Horse safety and handling
- Body condition scoring
- Fecal egg counts (parasitology)
- Lameness evaluation
- Equine facility design
- Dental evaluation and floating
- Administering medications
- Core sampling hay and pasture evaluations
- Advanced pasture evaluation techniques
- Chiropractic evaluations

### 3.2 Learning Outcomes: Upon successful completion of this course, students should be able to:

- Apply equine health and management techniques
- Gain familiarity with dentistry, nutrition, behavioral, and veterinary medical techniques demonstrated by industry professionals
- Diagnose lameness and identify functional conformation
- Understand the considerations involved in facility design

### 3.3 Assessment/Evaluation: Students will be assessed through examinations, in-class quizzes, group projects and assignments over laboratory material.

## Section 4: Rationale

**4.1 Reason for developing this proposed course:** The horse industry is extremely diverse and offers excellent employment prospects. Horses are especially important to the culture of Kentucky with its extensive racing, breeding and performance sectors. Students from a purely academic setting go on to employment in graduate/veterinary school with little hands-on equine handling experience in most cases. Students best benefit from hands-on experience with the live animal. Many techniques and procedures related to healthcare and behavior can only be taught with the living animal.

### 4.2 Relationship to similar courses offered by other university departments/units:

- Do any other courses already being offered by other university departments/units share content with this proposed course? YES **NO**
- Are any of the proposed pre/co-requisites for this course offered by another university department/unit? YES **NO**
- If the answer to both questions is NO, simply proceed to item 5.
- If the answer to either of those questions is YES, indicate here who in the affected departments/units was consulted, and the dates of those consultations:

## **Section 5: Projected Enrollments/Resources**

**5.1 How many students per section are expected to enroll in this proposed course?** Approximately 20-30 students

**5.2 How many sections of this course per academic year will be offered?**  
One section

**5.3 How many students per academic year are expected to enroll?**  
Approximately 20-30 students per academic year

**5.4 How were these projections calculated? Explain any supporting evidence/data you have for arriving at these projections.** Projections were based on previous enrollment in a similar equine courses that draw upper-level students interested in equine.

**5.5 Proposed method of staffing:** Current faculty will teach this course as part of their contracted number of hours.

**5.6 Instructional technology resources:** Current resources are sufficient.

**5.7 Library resources:** Will this proposed course require the use of library resources (books, journals, reference materials, audio-visual materials, electronic databases, etc.)? YES **NO**

If YES, was a Library Resources Form submitted to the appropriate collection development librarian prior to consideration at the college curriculum level?

**Section 6: Proposed term for implementation:** First available (Fall 2020)

**Section 7: Supplemental/Supporting Documentation:**N/A