

MEMORANDUM TO: Ogden College of Science and Engineering Curriculum Committee

Dr. Melanie Autin
Dr. Simran Banga
Dr. Royhan Gani
Dr. Ting-Hui Lee
Dr. Andy Mienaltowski

Dr. Hope Marchionda
Dr. Todd Willian
Dr. Zhonghang Xia
Dr. Bangbo Yan

FROM: Dr. Stuart Burris, Chair

SUBJECT: Agenda for Thursday, April 2, 2026

A. OLD BUSINESS:

- I. Consideration of the minutes of the February 2026 meeting.

B. NEW BUSINESS:

Type of item	Description of Item & Contact Information
Informational	<u>The following items were sent through the expedited process</u> HORT 407 – Pre-fix Change
Action	Proposal to Create a New Course ANSC 430: Parasitology of Livestock Contact: debra.shoulders@wku.edu , 270-792-4299

C. OTHER BUSINESS

Members Present:

Dr. Melanie Autin, Dr. Royhan Gani, Dr. Ting-Hui Lee, Dr. Andy Mienaltowski, Dr. Hope Marchionda, Dr. Todd Willian, Dr. Zhonghang Xia, Dr. Bangbo Yan

FROM: Dr. Stuart Burris, Chair

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

OLD BUSINESS:

Minutes from the December 2025 meeting were approved as posted.

NEW BUSINESS:

Action Agenda:

Ref. 508, Major in Agriculture, Proposal to Change a Program – approved.

Other Business:

Reminder - Per the OSE Curriculum Committee Standing Rules, the Departments of Biology, Mathematics, and Physics & Astronomy, and the School of Engineering and Applied Sciences shall elect members in even-numbered years. The faculty representatives shall be elected in the spring semester to take office at the beginning of the following fall semester. Newly elected faculty should attend the last meeting of the spring semester.

Course Change Request

New Course Proposal

Date Submitted: 03/09/26 9:56 am

Viewing: **ANSC 430 : Parasitology of Livestock**

Last revision: 03/09/26 9:56 am

Changes proposed by: dbr91597

Proposed Action

In Workflow

1. **AGRI Approval**
2. **SC Dean**
3. SC Curriculum Committee
4. Undergraduate Curriculum Committee
5. University Senate
6. Provost
7. Course Inventory

Approval Path

1. 03/09/26 11:54 am
Paul Woosley
(paul.woosley):
Approved for AGRI Approval

Active

Contact(s)

Name	E-mail	Phone
Debra Shoulders	debra.shoulders@wku.edu	270-792-4299

Term for implementation Fall 2026

Academic Level Undergraduate

Course prefix (subject area) ANSC - Animal Science Course number 430

Department Agriculture

College Science and Engineering

Course title
Parasitology of Livestock

Abbreviated course title PARASITOLOGY OF LIVESTOCK

Course description

Introduces students to internal and external parasites affecting livestock including cattle, sheep, goats, swine, horses and poultry. Emphasis is placed on parasite biology, life cycles, host-parasite interactions, and the impact of parasitism on animal health. Students will explore principles of parasite control, integrated parasite management, and anthelmintic resistance with a focus on practical applications in modern livestock systems. The hands-on lab sessions provide foundational training in diagnostic techniques used in clinical and field settings. Students will learn to identify parasites, conduct fecal exams and fecal egg counts, and prepare control and prevention strategies utilizing the livestock housed at AREC.

Credit hours 3

Repeatable
No

Default grade type Standard Letter Alternate grade type(s)

Is this course intended to span more than one term?

No

Schedule type
Lecture/Lab

CIP Code 010302 - Animal/Livestock Husbandry and Production.

Does this course have prerequisites

Yes

Prerequisites

And/Or	(Course/Test Code	Min Grade/Score	Academic Level)	Concurrency?
		ANSC140	C			No
And		BIOL120	C			No

Corequisites

Equivalent Courses

Restrictions:

College restriction? No

Field of study restriction/major? No

Classification restriction? No

Departmental
Restrictions

Reason for
developing the
proposed course

To provide applicable material for agriculture students and an elective course accepted by veterinary colleges for the pre-veterinary students

Is this related to
other courses at
WKU?

No

What departments/programs have been consulted concerning potential impact (e.g. to possible duplication or conflict, changed corequisite or prerequisite for equivalent courses, etc.)? Please provide names and dates for individuals consulted.

None have been consulted. Biology department had a parasitology course that has been suspended

How many sections
of this course per
academic year will
be offered?

1

How many students
per section are
expected to enroll in
this proposed
course?

20

How many students
per academic year
are expected to
enroll?

20

How were these
projections
calculated? Explain
any supporting
evidence/data you
have for arriving at
these projections:

Class is currently being taught as a special topic to determine the interest in this course. Based on the current numbers enrolled and projected numbers, this is a realistic number.

Is this course part of a program that leads to teacher certificate? No

Are you seeking Colonnade approval for this course? No

Student Learning Outcomes

#	Student Learning Outcomes
1	Identify internal and external parasites of livestock and describe their life cycles
2	Recognize host-parasite interactions and how parasitic infections affect animal health and productivity
3	Apply diagnostic techniques for detecting and quantifying parasitic infections
4	Evaluate and recommend appropriate control and treatment measures including sustainable and integrated approaches

Content outline

#	Topic
1	1.Introduction to parasitology and parasitic life cycles 2.Nematodes, trematodes, and cestodes in cattle, 3.Nematodes, trematodes, and cestodes in small ruminants 4.Refugia and internal parasite management 5.Diagnosis using fecal exam and Modified Mc Masters for fecal egg count 6.Nematodes, trematodes, and cestodes in equine 7.Nematodes, trematodes, and cestodes in swine and poultry 8.Protozoans 9.Arthropods 10.New World Screw Worm

Student expectations and requirements

Library Resources

Click here <https://www.wku.edu/library/services/access/faculty/resourcesform.php> for link to the Library Resources Form.

Did you complete the Library Resources Form for New Courses?

Yes

Tentative texts,
course materials,
and special
equipment

Georgis' Parasitology for Veterinarians (WKU library has a digital copy for students to access)
Merck Veterinary Manual

Special equipment,
materials, or library
resources needed

We have the lab material available at AREC for class

Additional
information

Supporting
documentation

Reviewer Comments

Key: 10101