

For Academic Affairs and Research Use Only	
Proposal Number	
CIP Code:	
Degree Code:	

NEW OR MODIFIED COURSE PROPOSAL FORM

Undergraduate Curriculum Council

Graduate Council

New Course, Experimental Course (1-time offering), or Modified Course (Check one box)

Signed paper copies of proposals submitted for consideration are no longer required. Please type approver name and enter date of approval.

	ENTER DATE...
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Department Curriculum Committee Chair

	ENTER DATE...
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COPE Chair (if applicable)

	ENTER DATE...
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Department Chair

Jennifer Bouldin 3/3/2023
Head of Unit (if applicable)

	ENTER DATE...
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College Curriculum Committee Chair

	ENTER DATE...
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Undergraduate Curriculum Council Chair

Mary Elizabeth Spence 3/3/2023
Office of Accreditation and Assessment
(new courses only)

	ENTER DATE...
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Graduate Curriculum Committee Chair

Mickey Latour 3/3/2023
College Dean

Len Frey	4/5/23 ENTER DATE...
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Vice Chancellor for Academic Affairs

	ENTER DATE...
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General Education Committee Chair (if applicable)

1. Contact Person (Name, Email Address, Phone Number)

Jennifer Bouldin
jbouldin@astate.edu
870-972-3079

2. Proposed starting term and Bulletin year for new course or modification to take effect

Fall 2025

Instructions:

Please complete all sections unless otherwise noted. For course modifications, sections with a "Modification requested?" prompt need not be completed if the answer is "No."

3.

	Current (Course Modifications Only)	Proposed (New or Modified) <i>(Indicate "N/A" if no modification)</i>
Prefix		DRVM
Number*		7243
Title (include a short title that's 30 characters or fewer)		General Pathology II
Description**		Advanced pathophysiologic mechanisms responsible or abnormal findings in hematologic, biochemical, urinalysis and cytologic tests in health and disease of animals. Students will learn a selection of appropriate diagnostic tests for various diseases and how to interpret the results.

* Confirm with the Registrar's Office that number chosen has not been used before and is available for use. For variable credit courses, indicate variable range. *Proposed number for experimental course is 9.*

**Forty words or fewer (excepting prerequisites and other restrictions) as it should appear in the Bulletin.

4. Proposed prerequisites and major restrictions [Modification requested? Yes/No]

(Indicate all prerequisites. If this course is restricted to a specific major, which major. If a student does not have the prerequisites or does not have the appropriate major, the student will not be allowed to register).

- a. Yes Are there any prerequisites?
 - a. If yes, which ones?
Successful completion of the previous year
 - b. Why or why not?
Students entering DRVM program will have qualified credits
- b. YES Is this course restricted to a specific major?
 - a. If yes, which major? Doctor of Veterinary Medicine

5. Proposed course frequency [Modification requested? Yes/No]

(e.g. Fall, Spring, Summer; if irregularly offered, please indicate, "irregular.") *Not applicable to Graduate courses.*

Enter text...

6. Proposed course type [Modification requested? Yes/No]

Will this course be lecture only, lab only, lecture and lab, activity (e.g., physical education), dissertation/thesis, capstone, independent study, internship/practicum, seminar, special topics, or studio? Please choose one. |
Lecture

7. Proposed grade type [Modification requested? Yes/No]

What is the grade type (i.e. standard letter, credit/no credit, pass/fail, no grade, developmental, or other [please elaborate])
Standard letter

8. NO Is this course dual-listed (undergraduate/graduate)?

9. NO Is this course cross-listed?

(If it is, all course entries must be identical including course descriptions. Submit appropriate documentation for requested changes. It is important to check the course description of an existing course when adding a new cross-listed course.)

a. - If yes, please list the prefix and course number of the cross-listed course.

Enter text...

b. - **Yes / No** Can the cross-listed course be used to satisfy the prerequisite or degree requirements this course satisfies?

Enter text...

10. Yes Is this course in support of a new program?

a. If yes, what program?
Doctor of Veterinary Medicine

11. NO Will this course be a one-to-one equivalent to a deleted course or previous version of this course (please check with the Registrar if unsure)?

a. If yes, which course?

Enter text...

Course Details

12. Proposed outline [Modification requested? Yes/No]

(The course outline should be topical by weeks and should be sufficient in detail to allow for judgment of the content of the course.) Below are the lectures and corresponding topics.

Tentative Lecture Topics / Activities	
1	Introduction/Effective Use of the Clinical Pathology Laboratory
2	Reference Intervals, Sensitivity, Specificity, Predictive Values -
3	Hematopoiesis -
4	Bone Marrow Evaluation -
5	Erythrocytes - Function & Normal/Abnormal Destruction -
6	Erythrocytes - Shapes, Inclusions/Infectious Agents -
7	Laboratory Evaluation of Erythrocytes - Indices, Coombs', Methemoglobin, Iron -
8	Laboratory Evaluation of Anemias -

9	Regenerative Anemias -
10	Nonregenerative Anemias & Erythrocytosis -
11	Hematology Cases – Anemia -
12	Laboratory Evaluation of Hemostasis I -
13	Laboratory Evaluation of Hemostasis II -
14	Hematology Cases - Hemostatic Disorders -
15	Leukocytes - Function, Kinetics, Morphology -
16	Laboratory Evaluation of Leukocytes I
17	Laboratory Evaluation of Leukocytes II -
18	Hematology Cases – Leukocytes -
19	Plasma Proteins and Dysproteinemias -
20	Lymphoid Neoplasms -
21	Myeloid Neoplasms -
22	Case Interpretations: Hematology (Cumulative) -
23	Principles of Cytology -
24	Cytology: Inflammation and Infectious Disease -
25	Cytology: Round Cell Neoplasia I -
26	Cytology: Round Cell Neoplasia II -
27	Cytology: Epithelial and Neuroendocrine Neoplasia -
28	Cytology: Mesenchymal Neoplasia -
29	Cytology: Body Cavity Effusions, Fluid Analysis -
30	Case Interpretations: Cytology -
31	Laboratory Evaluation of the Hepatobiliary System I -
32	Laboratory Evaluation of the Hepatobiliary System II, Skeletal Muscle Disorders -
33	Laboratory Evaluation of the Exocrine Pancreas and Gastrointestinal Tract -
34	Case Interpretations: Hepatobiliary Disorders, Malabsorption Syndromes -
35	Evaluation of Renal Function I -
36	Evaluation of Renal Function II -
37	Urinalysis I -
38	Urinalysis II -
39	Case Interpretations: Renal Disease -
40	Laboratory Evaluation of Thyroid Gland Disorders -
41	Laboratory Evaluation of Adrenal Gland Disorders -
42	Laboratory Evaluation of Parathyroid Gland and Calcium Disorders -
43	Disorders of the Endocrine Pancreas, Blood Glucose and Lipids -
44	Case Interpretations: Endocrine Disorders -
45	Electrolyte Disorders I -
46	Electrolyte Disorders II -
47	Acid-Base Disorders -
48	Case Interpretations: Electrolyte and Acid-Base Disorders -
49	Innovations in Veterinary Diagnostics -

13. Proposed special features [Modification requested? Yes/No]
(e.g. labs, exhibits, site visitations, etc.) |
Enter text...

14. Department staffing and classroom/lab resources |
College of VM new staffing and resources
a. Will this require additional faculty, supplies, etc.? |
DRVM Faculty & supplies

15. NO Does this course require course fees?
If yes: please attach the New Program Tuition and Fees form, which is available from the UCC website.

Justification

Modification Justification (Course Modifications Only)

16. Justification for Modification(s)

Enter text...

New Course Justification (New Courses Only)

17. Justification for course. Must include:

- a. Academic rationale and goals for the course (skills or level of knowledge students can be expected to attain)

This course reviews the advanced pathophysiologic mechanisms responsible for abnormal findings in hematologic, biochemical, urinalysis and cytologic tests in health and disease of animals. Students will learn a selection of appropriate diagnostic tests for various diseases and how to interpret the results.

- b. How does the course fit with the mission of the department? If course is mandated by an accrediting or certifying agency, include the directive.

General education for DRVM students

- c. Student population served.

DRVM students

- d. Rationale for the level of the course (lower, upper, or graduate). |

Graduate only to fulfill requirements of DRVM program

Assessment

Assessment Plan Modifications (Course Modifications Only)

18. YES Do the proposed modifications result in a change to the assessment plan?

If yes, please complete the Assessment section of the proposal

Relationship with Current Program-Level Assessment Process (Course modifications skip this section unless the answer to #18 is "Yes")

19. What is/are the intended program-level learning outcome/s for students enrolled in this course? Where will this course fit into an already existing program assessment process?

AVMA Standards

1. Comprehensive patient diagnosis (problem solving skills), appropriate use of clinical laboratory testing, and record management;
2. Comprehensive treatment planning including patient referral when indicated;
3. Anesthesia and pain management, patient welfare;
4. Basic surgery skills, experience, and case management;
5. Basic medicine skills, experience and case management;
6. Emergency and intensive care case management;
7. Health promotion, disease prevention/biosecurity, zoonosis, and food safety;
8. Client communications and ethical conduct; and
9. Critical analysis of new information and research findings relevant to veterinary medicine

20. Considering the indicated program-level learning outcome/s (from question #19), please fill out the following table to show how and where this course fits into the program's continuous improvement assessment process.

For further assistance, please see the 'Expanded Instructions' document available on the UCC - Forms website for guidance, or contact the Office of Assessment at 870-972-2989.

Comprehensively, the Doctor of Veterinary Medicine program will be assessed through successful completion of licensure/board examinations. Formatively, this program's assessment plan will be constructed by the school's Dean and faculty with the assistance of the Office of Assessment and Accreditation.

Program-Level Outcome 1 (from question #19)	Type outcome here. What do you want students to think, know, or do when they have completed the course?
Assessment Measure	Please include direct and indirect assessment measure for outcome.
Assessment Timetable	What semesters, and how often, is the outcome assessed?
Who is responsible for assessing and reporting on the results?	Who (person, position title, or internal committee) is responsible for assessing, evaluating, and analyzing results, and developing action plans?

(Repeat if this new course will support additional program-level outcomes)

Course-Level Outcomes

21. What are the course-level outcomes for students enrolled in this course and the associated assessment measures?
By the end of this course, students will be able to:

- 1.Explain the pathophysiology of diseases of blood and bone marrow.
- 2.Describe how diseases of blood and bone marrow are identified and characterized using laboratory tests.
- 3.Select which diagnostic tests are performed and what pre-analytical and analytical errors may occur.
- 4.Identify and explain the significance of abnormalities in stained blood films, exfoliative cytology smears, and urine sediments.
- 5.Explain how laboratory data helps identify which organ system(s) may be responsible for clinical illness and how to differentiate between possible diseases that might account for the laboratory findings.
- 6.Predict what clinical pathology abnormalities are produced by different diseases.
- 7.Formulate differential diagnoses and know how to rule in and rule out each differential.

The course outcomes described above will be measured by direct means such as written exams and rubrics (assessing papers, presentations, oral exams, etc.) Final measurement instruments will be determined by course faculty.

Bulletin Changes

Instructions
<p>Please visit http://www.astate.edu/a/registrar/students/bulletins/index.dot and select the most recent version of the bulletin. Copy and paste all bulletin pages this proposal affects below. Please include a before (with changed areas highlighted) and after of all affected sections.</p> <p>*Please note: Courses are often listed in multiple sections of the bulletin. To ensure that all affected sections have been located, please search the bulletin (ctrl+F) for the appropriate courses before submission of this form.</p>

Paste bulletin pages here...