

5-GNC Revised 2/25/2016

FORMAT 1

Submit original with signatures + 1 copy + electronic copy to Faculty Senate (Box 7500).
See <http://www.uaf.edu/uafgov/faculty-senate/curriculum/course-degree-procedures-/> for a complete description of the rules governing curriculum & course changes.

TRIAL COURSE OR NEW COURSE PROPOSAL

SUBMITTED BY:

Department	Veterinary Medicine	College/School	CNSM
Prepared by	Cathy Griseto	Phone	474-1928
Email Contact	cagriseto@alaska.edu	Faculty Contact	Molly Murphy

1. ACTION DESIRED

(CHECK ONE):

Trial Course

New Course

X

2. COURSE IDENTIFICATION:

Dept

DVM

Course #

741

No. of Credits

4

Justify upper/lower division status & number of credits:

Professional Program required course – see CSU syllabus attached

3. PROPOSED COURSE TITLE:

Biology of Disease II / Pathology of Organ Systems I

4. To be CROSS LISTED?

YES/NO

NO

If yes, Dept:

Course #

NOTE: Cross-listing requires approval of both departments and deans involved. Add lines at end of form for additional required signatures.

5. To be STACKED?

YES/NO

NO

If yes, Dept.

Course #

How will the two course levels differ from each other? How will each be taught at the appropriate level?:

Stacked course applications are reviewed by the (Undergraduate) Curricular Review Committee and by the Graduate Academic and Advising Committee. Creating two different syllabi—undergraduate and graduate versions—will help emphasize the different qualities of what are supposed to be two different courses. The committees will determine: 1) whether the two versions are sufficiently different (i.e. is there undergraduate and graduate level content being offered); 2) are undergraduates being overtaxed?; 3) are graduate students being undertaxed? In this context, the committees are looking out for the interests of the students taking the course. Typically, if either committee has qualms, they both do. More info online – see URL at top of this page.

6. FREQUENCY OF OFFERING:

Fall each year beginning 2016

Fall, Spring, Summer (Every, or Even-numbered Years, or Odd-numbered Years) – or As Demand Warrants

7. SEMESTER & YEAR OF FIRST OFFERING

(AY2013-14 if approved by 3/1/2013; otherwise AY2014-15)

AY2016-2017

8. COURSE FORMAT:

NOTE: Course hours may not be compressed into fewer than three days per credit. Any course compressed into fewer than six weeks must be approved by the college or school's curriculum council. Furthermore, any core course compressed to less than six weeks must be approved by the Core Review Committee.

COURSE FORMAT:

(check all that apply)

1

2

3

4

5

X

6 weeks to full semester

OTHER FORMAT (specify)

Mode of delivery (specify lecture, field trips, labs, etc)

Lectures & Labs

9. CONTACT HOURS PER WEEK:	3	LECTURE hours/weeks	2	LAB hours /week		PRACTICUM hours /week
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Note: # of credits are based on contact hours. 800 minutes of lecture=1 credit. 2400 minutes of lab in a science course=1 credit. 1600 minutes in non-science lab=1 credit. 2400-4800 minutes of practicum=1 credit. 2400-8000 minutes of internship=1 credit. This must match with the syllabus. See <http://www.uaf.edu/uafgov/faculty-senate/curriculum/course-degree-procedures-guidelines-for-computing/> for more information on number of credits.

OTHER HOURS (specify type)	The labs are clinical labs: " For labs in which a faculty member interacts with students and provides feedback throughout the laboratory period (clinical labs, art studio, automotive technical labs) 1600 minutes (2 hours/week/credit for a 14 week semester) is used."
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10. **COMPLETE CATALOG DESCRIPTION** including dept., number, title, credits, credit distribution, cross-listings and/or stacking (50 words or less if possible):

Example of a **complete** description:

FISH F487 W, O Fisheries Management
3 Credits Offered Spring
Theory and practice of fisheries management, with an emphasis on strategies utilized for the management of freshwater and marine fisheries. *Prerequisites: COMM F131X or COMM F141X; ENGL F111X; ENGL F211X or ENGL F213X; ENGL F414; FISH F425; or permission of instructor.* Cross-listed with NRM F487. (3+0)

DVM 741 Biology of Disease II – Pathology of Organ Systems I

4 Credit Offered Fall

The course will discuss basic principles of disease with special emphasis on organ system diseases most likely to be encountered in veterinary practice. The discussions will move from general cell mediated processes to more specific disease mechanisms in a variety of domestic and exotic species.

Pre-requisites: Successful completion of first year of courses in the Professional Veterinary Curriculum.

11. **COURSE CLASSIFICATIONS:** Undergraduate courses only. Consult with CLA Curriculum Council to apply S or H classification appropriately; otherwise leave fields blank.
H = Humanities ☐ S = Social Sciences ☐

Will this course be used to fulfill a requirement for the baccalaureate core? If YES, attach form.

YES: ☐ NO: ☒

IF YES, check which core requirements it could be used to fulfill:

O = Oral Intensive, ☐ W = Writing Intensive, ☐ X = Baccalaureate ☐
Format 6 Format 7 Core

- 11.A **Is course content related to northern, arctic or circumpolar studies? If yes, a "snowflake" symbol will be added in the printed Catalog, and flagged in Banner.**

YES ☐ NO ☒

12. **COURSE REPEATABILITY:**

Is this course repeatable for credit? YES ☐ NO ☒

Justification: Indicate why the course can be repeated (for example, the course follows a different theme each time).

How many times may the course be repeated for credit?

TIMES

If the course can be repeated for credit, what is the maximum number of credit hours that may be earned for this course?

CREDITS

If the course can be repeated with variable credit, what is the maximum number of credit hours that may be earned for this course?

CREDITS

13. **GRADING SYSTEM:** Specify only one. Note: Changing the grading system for a course later on constitutes a Major Course Change - Format 2 form.

LETTER:

X

PASS/FAIL:

RESTRICTIONS ON ENROLLMENT (if any)**14. PREREQUISITES**

Successful completion of first year of courses in the Professional Veterinary Curriculum.

These will be required before the student is allowed to enroll in the course

15. SPECIAL RESTRICTIONS, CONDITIONS

Professional Veterinary Medical program student or permission of instructor

16. PROPOSED COURSE FEES

TBD

Has a memo been submitted through your dean to the Provost for fee approval?

Yes

Yes/No

17. PREVIOUS HISTORY

Has the course been offered as special topics or trial course previously?

No

Yes/No

If yes, give semester, year, course #, etc.:

18. ESTIMATED IMPACT

WHAT IMPACT, IF ANY, WILL THIS HAVE ON BUDGET, FACILITIES/SPACE, FACULTY, ETC.

Professional Program approved by BOR, Chancellor and Provost – Impact to budget in second year will ease with second cohort of students. This course will require money, space and faculty time, these impacts are part of the professional veterinary department.

19. LIBRARY COLLECTIONS

Have you contacted the library collection development officer (kljensen@alaska.edu, 474-6695) with regard to the adequacy of library/media collections, equipment, and services available for the proposed course? If so, give date of contact and resolution. If not, explain why not.

No

x

Yes

Department will keep complete library of required course materials in AHRB office. Additional resources are available through the UAF library as per current catalogue.

20. IMPACTS ON PROGRAMS/DEPTSWhat programs/departments will be affected by this proposed action?
Include information on the Programs/Departments contacted (e.g., email, memo)

Space usage impact on Animal Resource Center facility for necropsy and specialized needs. ARC contacted and approved (jeblake@alaska.edu). Time in the ARC lab will be coordinated with existing ARC activities.

21. POSITIVE AND NEGATIVE IMPACTSPlease specify **positive** and **negative** impacts on other courses, programs and departments resulting from the proposed action.

The positive impact of this course on other departments is the production of students that can converse easily about veterinary anatomic pathology, and hopefully inspire other students (graduate, undergraduate) to pursue biomedicine as a career.

JUSTIFICATION FOR ACTION REQUESTED

The purpose of the department and campuswide curriculum committees is to scrutinize course change and new course applications to make sure that the quality of UAF education is not lowered as a result of the proposed change. Please address this in your response. This section needs to be selfexplanatory. Use as much space as needed to fully justify the proposed course.

The course is required for second year veterinary students and the syllabus is provided by CSU CVMBS. The course has been approved by their accreditation requirements and will be offered at UAF as part of the 2+2 program (first two years at UAF and last two years at CSU).

18. ESTIMATED IMPACT

WHAT IMPACT, IF ANY, WILL THIS HAVE ON BUDGET, FACILITIES/SPACE, FACULTY, ETC.

Professional Program approved by BOR, Chancellor and Provost – Impact to budget in second year will ease with second cohort of students

19. LIBRARY COLLECTIONS

HAVE YOU CONTACTED THE LIBRARY COLLECTION DEVELOPMENT OFFICER (KLJENSEN@ALASKA.EDU, 474-6695) WITH REGARD TO THE ADEQUACY OF LIBRARY/MEDIA COLLECTIONS, EQUIPMENT, AND SERVICES AVAILABLE FOR THE PROPOSED COURSE? IF SO, GIVE DATE OF CONTACT AND RESOLUTION. IF NOT, EXPLAIN WHY NOT.

No

☒ Yes

Yes

DEPARTMENT WILL KEEP COMPLETE LIBRARY OF REQUIRED COURSE MATERIALS IN AXRB OFFICE

20. IMPACTS ON PROGRAMS/DEPTS

WHAT PROGRAMS/DEPARTMENTS WILL BE AFFECTED BY THIS PROPOSED ACTION?

INCLUDE INFORMATION ON THE PROGRAMS/DEPARTMENTS CONTACTED (E.G., EMAIL, MEMO)

Impact on Animal Resource Center facility for necropsy and specialized needs. ARC contacted and approved (jeblake@alaska.edu)

21. POSITIVE AND NEGATIVE IMPACTS

PLEASE SPECIFY POSITIVE AND NEGATIVE IMPACTS ON OTHER COURSES, PROGRAMS AND DEPARTMENTS RESULTING FROM THE PROPOSED ACTION.

There should be no impact on other departments.

JUSTIFICATION FOR ACTION REQUESTED

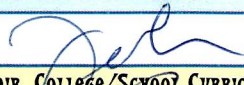
THE PURPOSE OF THE DEPARTMENT AND CAMPUS-WIDE CURRICULUM COMMITTEES IS TO SCRUTINIZE COURSE CHANGE AND NEW COURSE APPLICATIONS TO MAKE SURE THAT THE QUALITY OF UAF EDUCATION IS NOT LOWERED AS A RESULT OF THE PROPOSED CHANGE. PLEASE ADDRESS THIS IN YOUR RESPONSE. THIS SECTION NEEDS TO BE SELF-EXPLANATORY. USE AS MUCH SPACE AS NEEDED TO FULLY JUSTIFY THE PROPOSED COURSE.

The course is required for second year veterinary students and the syllabus is provided by CSU CVMBS. The course has been approved by their accreditation requirements and will be offered at UAF as part of the 2+2 program (first two years at UAF and last two years at CSU).

APPROVALS: ADD ADDITIONAL SIGNATURE LINES AS NEEDED.

	Date	4/14/15
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Signature, Chair, Program/Department of: Veterinary Medicine

	Date	4/16/15
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Signature, Chair, College/School Curriculum Council for: CSM

	Date	4/16/15
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Signature, Dean, College/School of: CSM

OFFERINGS ABOVE THE LEVEL OF APPROVED PROGRAMS MUST BE APPROVED IN ADVANCE BY THE PROVOST.

 	Date	
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Signature of Provost (if above level of approved programs)

ALL SIGNATURES MUST BE OBTAINED PRIOR TO SUBMISSION TO THE GOVERNANCE OFFICE

 	Date	
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Signature, Chair

Faculty Senate Review Committee: CURRICULUM REVIEW GAAC

CORE REVIEW SADAC

ATTACH COMPLETE SYLLABUS (as part of this application). This list is online at: <http://www.uaf.edu/uafgov/faculty-senate/curriculum/course-degree-procedures-/uaf-syllabus-requirements/>
The Faculty Senate curriculum committees will review the syllabus to ensure that each of the items listed below are included. If items are missing or unclear, the proposed course (or changes to it) may be denied.

SYLLABUS CHECKLIST FOR ALL UAF COURSES

During the first week of class, instructors will distribute a course syllabus. Although modifications may be made throughout the semester, this document will contain the following information (as applicable to the discipline):

1. Course information:

☐ Title, ☐ number, ☐ credits, ☐ prerequisites, ☐ location, ☐ meeting time (make sure that contact hours are in line with credits).

2. Instructor (and if applicable, Teaching Assistant) information:

☐ Name, ☐ office location, ☐ office hours, ☐ telephone, ☐ email address.

3. Course readings/materials:

☐ Course textbook title, ☐ author, ☐ edition/publisher.

☐ Supplementary readings (indicate whether ☐ required or ☐ recommended) and

☐ any supplies required.

4. Course description:

☐ Content of the course and how it fits into the broader curriculum;

☐ Expected proficiencies required to undertake the course, if applicable.

☐ Inclusion of catalog description is *strongly* recommended, and

☐ Description in syllabus must be consistent with catalog course description.

5. ☐ Course Goals (general), and (see #6)

6. ☐ Student Learning Outcomes (more specific)

7. Instructional methods:

☐ Describe the teaching techniques (eg: lecture, case study, small group discussion, private instruction, studio instruction, values clarification, games, journal writing, use of Blackboard, audio/video conferencing, etc.).

8. Course calendar:

☐ A schedule of class topics and assignments must be included. Be specific so that it is clear that the instructor has thought this through and will not be making it up on the fly (e.g. it is not adequate to say "lab". Instead, give each lab a title that describes its content). You may call the outline Tentative or Work in Progress to allow for modifications during the semester.

9. Course policies:

☐ Specify course rules, including your policies on attendance, tardiness, class participation, make-up exams, and plagiarism/academic integrity.

10. Evaluation:

☐ Specify how students will be evaluated, ☐ what factors will be included, ☐ their relative value, and ☐ how they will be tabulated into grades (on a curve, absolute scores, etc.) ☐ Publicize UAF regulations with regard to the grades of "C" and below as applicable to this course. (Not required in the syllabus, but is a convenient way to publicize this.) Link to PDF summary of grading policy for "C": [http://www.uaf.edu/files/uafgov/Info-to-Publicize-C Grading-Policy-UPDATED-May-2013.pdf](http://www.uaf.edu/files/uafgov/Info-to-Publicize-C%20Grading-Policy-UPDATED-May-2013.pdf)

11. Support Services:

☐ Describe the student support services such as tutoring (local and/or regional) appropriate for the course.

12. Disabilities Services: Note that the phone# and location have been **updated**.

<http://www.uaf.edu/disability/> The Office of Disability Services implements the Americans with Disabilities Act (ADA), and ensures that UAF students have equal access to the campus and course materials.

☐ State that you will work with the Office of Disabilities Services (208 WHITAKER BLDG, 474-5655) to provide reasonable accommodation to students with disabilities.

Note: Optional Title IX syllabus statement may be used. See <http://www.uaf.edu/ceo/eeo-statement/>

Revised 2/25/2016

DVM 741 PATHOLOGY OF ORGAN SYSTEMS I BIOLOGY OF DISEASE II

SYLLABUS – FALL YEAR 2

Department of Veterinary Medicine, University of Alaska Fairbanks

1. Course Information:

Title: Pathology of Organ Systems I / Biology of Disease II
Number: DVM 741
Credit: 4
Prerequisites: Successful completion of first year of courses in the Professional Veterinary Curriculum
Location: TBD
Meeting time: Three times a week for lectures, time TBD
Once a week 2-hour lab.

2. Instructor Contact Information:

Name: Dr. Molly Murphy
Office Location: 182 Arctic Health Research Building
Office Hours: TBD
Office Phone: 474-1990
Email: mdmurphy@alaska.edu

3. Course Reading/Materials:

Pathologic Basis of Veterinary Disease; McGavin & Zachary,
5th Ed., 2011
Handouts/Outlines

4. Course Description:

The course will discuss basic principles of disease with special emphasis on organ disease likely to be encountered in veterinary practice. We will discuss these topics organized by underlying disease mechanism. The discussions will move from general cell mediated processes to more specific disease mechanisms

5. Course Goals:

The goals for this course are for students to develop an understanding of disease processes as they affect individual organ systems. With this understanding, students will be better prepared to develop treatment plans, and provide prognoses as future practitioners of veterinary medicine.

6. Student Learning Outcomes:

By the end of this course students will be able to:

1. Recognize and diagnose diseases in organ systems.
 - a. Skin
 - b. Respiratory
 - c. Heart
 - d. Liver
 - e. Renal
 - f. GI

g. Reproductive

2. Describe the morphologic changes and treatment options in a tissue, and propose a pathogenesis
3. Describe and interpret results of testing.

7. Instructional Methods:

Lectures and laboratories will be utilized in this course.

The lectures will emphasize selected aspects of organ disease that are applicable to the practice of veterinary medicine. Lectures are intended to provide illustration, clarification, and updating of information. Laboratories will consist of both gross specimen assessment, as well as microscopy. The intent of the laboratory is for students to examine specimens which illustrate diseases and processes discussed in lecture, to aid the student in correlating material learned with clinical sequelae.

8. Course Calendar:

For details, refer to the section "Tentative Lecture Schedule" in the end of this syllabus.

9. Course Policies:

- Attendance:

Students are expected to attend all classes. In the case of an emergency (illness requiring hospitalization, death of an immediate family member), you may request an excused absence, which may/may not be granted at the discretion of the instructor. If you must miss a lab due to an excused absence, you will need to attend a scheduled make-up lab during finals week. This will provide an opportunity to practice the skills and complete your task booklet. If you miss another activity (case-based discussion), you will be assigned an appropriate make-up activity in order to receive credit for the missed session.

- Classroom Behavior:

Any type of behavior in the classroom that is disruptive, distracting, or disrespectful to the instructor or to your fellow students will not be tolerated and will result in dismissal from the classroom. This includes, but is not limited to, disrespectful comments, the use of tobacco products, consumption of food, use of cell phones. Students may utilize electronic devices (such as a laptop computer) to take notes. Do not browse the Internet, text message or IM while in the classroom.

- Plagiarism:

Plagiarism is the overt or covert use of other people's work or ideas without acknowledgement of the source. This includes using ideas or data from a classmate or colleague without permission and acknowledgement, including sentences from journal articles in your writing without citing the author, or copying parts of a website into your essay. Plagiarism and cheating are serious offenses that violate the student code of conduct which may result in an "F" in the course and/or referral to the university disciplinary committee.

10. Evaluation:

Student performance will be evaluated by examinations, homework assignments, and class participation. The total available points in the course is planned to be approximately 1000 points, distributed in five hourly examinations (each worth 100 points), a final exam (50 points new material and 100 points comprehensive), 15 homework assignments (each worth 10 points), 14 laboratory worksheets +1 case scenario write-up (10 points each), and class participation (50 points). The examinations will contain a variety of question styles, including multiple choice, short answer, and discussion questions. Each homework assignment has a deadline for completion. These assignments may be discussed and worked on in small groups.

Examinations and course assignments must be completed as scheduled. If an examination or assignment is not completed as scheduled and the absence is not excused, zero (0) points will be assigned. The final grade will be based on the following scale after all tests, labs, and assignments have been tallied:

LABS: LAB ATTENDANCE IS REQUIRED. In general, it is anticipated that a worksheet will be completed, evaluated, and returned for each laboratory. Satisfactory work sheets will be credited 2 points.

GRADING:

A+	96-100	%
A	92-95.9	%
A-	88-91.9	%
B+	84-87.9	%
B	80-83.9	%
B-	76-79.9	%
C+	72-75.9	%
C	68-71.9	%
C-	64-67.9	%
D	60-63.9	%
F	<60	%

Requests for excused absences must first be discussed with the instructor for the section to be missed. It is the responsibility of the student to provide an excused absence form to the instructor for signature. In the event of emergencies resulting in absence, it is the student's responsibility to contact the Department office and register the cause as soon as possible.

11. Support Services:

If you require more assistance than can be provided in class, and office hours, you may want to contact Student Support Services (<http://www.uaf.edu/sssp/>) or the Department of Veterinary Medicine for assistance.

12. Disability Services:

All students, including those with disabilities, are welcome in this course, and we are committed to providing equal access to this course for all students. If you have a disability (including learning disabilities) please inform us during the first week of class so that we can accommodate your specific needs. If you have not already done so, you will also need to contact UAF's Office of Disabilities Services (474-5655). Everyone should have the opportunity to participate fully in the course and to complete assignments and exams to the best of their ability. If accommodations are needed to enable you to do so, we will gladly work with you to provide them.

Tentative Class Schedule

DATE:	TOPIC
9/1-9/2	Introduction to course, Dermatology Infectious diseases of skin LAB - Histology of skin, inflammation
9/5-9/9	Immune mediated diseases and Degenerations in skin Hair follicle diseases LAB - Histology of skin masses Neoplasia in skin
9/12-9/16	Upper respiratory diseases Bronchopneumonia LAB - Histology of lung disease

	Interstitial pneumonia
9/19-9/23	Pulmonary edema, congestion Emphysema, atelectasis of lungs LAB - Histology of lung diseases Infectious respiratory diseases
9/26-9/30	Vascular disease Vascular disease LAB - Spontaneous disease, gross tissues Heart, valvular disease, conduction system
10/3-10/7	Coronary, myofiber degeneration Myocarditis, necrosis LAB - Examination of hearts Congestive heart failure, Shock
10/10-10/14	Pancreas, pathophysiology and pathology Liver, pathophysiology and icterus LAB - Pancreas Lab Vascular and metabolic disease of liver
10/17-10/21	Toxic liver disease and hepatitis Liver failure and neoplasia LAB - Liver Lab Gallbladder and discussion of liver lab data
10/24-10/28	Urinary system, normal structure and function Glomerular disease LAB - Kidney: gross and microscopic lesions Renal vascular structure and disease
10/31-11/4	Renal tubular disease Renal interstitial disease LAB - Lower urinary track: gross and microscopic Lower urinary track diseases
11/7-11/11	Oral Cavity Esophagus, Rumen LAB - Stomach Upper Alimentary Cases
11/14-11/18	Intestine structure and function Infectious diseases, intestine LAB - Histology of intestinal diseases Infectious disease, intestine
11/21-11/23	Disruption of GI blood supply Obstruction and neoplasia of intestine LAB - No lab - Thanksgiving
11/28-12/1	Reproductive System development, infection

Female, non pregnant
LAB - Histology of intestinal disease
Female, pregnant

12/5-12/9 Reproductive failure
 Mammary gland
 LAB - Cases
 Male repro system

FINAL EXAM - cumulative