

DEC 15 2015

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	Sarah Love Asst professor Vet Med

**1. ACTION DESIRED**

(CHECK ONE):

Trial Course

New Course

X

**2. COURSE IDENTIFICATION:**

Dept

DVM

Course #

747

No. of Credits

5

Justify upper/lower division status & number of credits:

Professional Program required course – see CSU syllabus attached

**3. PROPOSED COURSE TITLE:**

Clinical Sciences II

**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:**

Spring each year beginning 2017

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)

This course will take place in the second 8 weeks of the semester.

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

Lecture

RECEIVED

DEC 14 2015

Dean's Office

College of Natural Science & Mathematics

RECEIVED

NOV 12 2015

Dean's Office

College of Natural Science & Mathematics

Governance

12/15/15 TMG

**9. CONTACT HOURS PER WEEK:****10**LECTURE  
hours/weeks**0**LAB  
hours /week**0**PRACTICUM  
hours /week

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)

**This course will take place in the second half of the semester.****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 747 Department of Veterinary Medicine****5 Credits Offered Spring****Clinical Sciences II**

This course is a continuation to clinical reasoning and problem solving as a diagnostician. Topics covered will include diagnostic approaches to fluid and electrolyte disorders and common medical problems of the cardiac and pulmonary organ systems of small and large animals.

**Pre-requisites: Second year professional veterinary medicine program student in good standing. All courses must be taken in prescribed sequence.**

**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:****x**

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

O = Oral Intensive, **Format 6**W = Writing Intensive, **Format 7**

X = Baccalaureate 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****x****12. COURSE REPEATABILITY:**

Is this course repeatable for credit?

**YES****NO****x**

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****Acceptance in Professional Veterinary Medical Program or permission of instructor**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****n/a**

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

**Yes/No****Yes****17. PREVIOUS HISTORY**

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

**Yes/No****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****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. UAF library will provide additional resources with current holdings (according to current catalogue).****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)

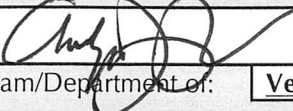
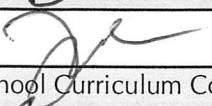
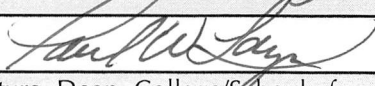
**Impact on Animal Resource Center facility for necropsy and specialized needs. ARC contacted and approved (jeblake@alaska.edu)****21. POSITIVE AND NEGATIVE IMPACTS**Please specify **positive and negative** impacts on other courses, programs and departments resulting from the proposed action.**There 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	12-8-15
Signature, Chair, Program/Department of: <u>Veterinary Medicine</u>		
	Date	11-10-15
Signature, Chair, College/School Curriculum Council for: <u>CNSM</u>		
	Date	12/15/15
Signature, Dean, College/School of: <u>CNSM</u>		

Offerings above the level of approved programs must be approved in advance by the Provost.

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

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

	Date	
Signature, Chair		
Faculty Senate Review Committee: ___Curriculum Review ___GAAC		
___Core Review ___SADAC		

**ADDITIONAL SIGNATURES:** (As needed for cross-listing and/or stacking)

	Date	
Signature, Chair, Program/Department of:		
	Date	
Signature, Chair, College/School Curriculum Council for:		
	Date	
Signature, Dean, College/School of:		

**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_Grading-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.

5/21/2013

# DVM 747 CLINICAL SCIENCES II SYLLABUS

SPRING 2017

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## Department of Veterinary Medicine, University of Alaska Fairbanks

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### 1. Course Information:

Title: Clinical Sciences II  
Number: DVM 747  
Credit: 5  
Prerequisites: Second year professional veterinary medicine program student in good standing  
Location: Irving 141  
Meeting time: TBD

### 2. Instructor Contact Information:

Name: Dr. Sarah Love  
Office Location: 182 Arctic Health Research Building  
Office Hours: M,W,F 2:00-4:00 pm  
Office Phone: 907-474-1928  
Email: sblove@alaska.edu

Email is the best way to reach the instructor. You should receive a response to your email within 24 hours when it is received. If you do not receive a reply within this time frame, assume that the email was not received and please resend your message.

### 3. Course Reading/Materials:

There are no required textbooks for this course. Course materials will consist of written notes, book chapters, Power Point materials and journal articles. Directions to retrieve all course material will be posted on Blackboard.

#### Recommended textbooks:

Textbook Title: Manual of Canine and Feline Cardiology  
Editors: Smith, FWK, Tilley LP, Oyama M, Sleeper MM  
Edition: 5<sup>th</sup> Edition  
Publisher: Saunders  
ISBN: 978-0323188029

Textbook Title: West's Respiratory Physiology: The Essentials  
Editors: West JB, Luks AM  
Edition: 10<sup>th</sup> Edition  
Publisher: LWW  
ISBN: 978-1496310118

Textbook Title: Large Animal Internal Medicine  
Editors: Bradford P. Smith  
Edition: 5<sup>th</sup> Edition  
Publisher: Mosby  
ISBN: 978-0323088398

### 4. Course Description:

This course is a continuation to clinical reasoning and problem solving as a diagnostician. Topics covered will include diagnostic approaches to fluid and electrolyte disorders and common medical problems of the cardiac and pulmonary organ systems of small and large animals.

## 5. Course Goals:

DVM 747 is the second of the initial courses intended to introduce you to the clinical aspects of diseases. The first half of the course will cover cardiac disease, fluid and electrolyte disorders. The second half of the course will cover respiratory disease and other pulmonary disorders.

This course is designed to provide instruction in clinical reasoning, problem solving and for you to start thinking in terms of problems versus diseases, as animals present with problems not diseases. The design of the lectures is based on problems with specific diseases introduced in this manner. Some of the lectures and notes will have images, videos and links to other web sites or other methods to introduce clinical information.

## 6. Student Learning Outcomes:

- Continue to develop clinical reasoning skills in approaching patient problems in a problem oriented system
- Learn common pathophysiologic mechanisms and manifestations of cardiac diseases, fluid and electrolyte disorders, circulatory shock and respiratory diseases in small and large animals
- Learn the principles of cardiopulmonary diagnostic methodologies and apply these to the diagnoses of common cardiac and pulmonary diseases of small and large animals.
- Learn the principles of cardiopulmonary therapies and apply these to the diagnoses of common cardiac and pulmonary diseases of small and large animals.
- Practice clinical reasoning skills in case-based discussion

## 7. Instructional Methods:

This course will consist of lecture modules in a problem-oriented approach, Power Point slides, discussion boards, case-based discussion, small group discussion, Blackboard homework and traditional homework.

Various portions of this course are Blackboard intensive ([classes.uaf.edu](http://classes.uaf.edu)). However, the use of Blackboard is instructor specific, so there will be materials and assignments presented in the traditional format. Please read this document carefully as you are accountable for all or it.

## 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. Exams will draw on lecture material and students that do not attend class will likely not to do well in exams.
- **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, and the use of tobacco products. All cell phones or other such devices must silenced while in the classroom. Do not browse the Internet, text message or IM while in the classroom. You can use such devices for note taking or other class related activities.
- **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 that may result in an "F" in the course and/or referral to the university disciplinary committee.

#### 10. Evaluation:

Students can earn 400 points in the course. Grades will be posted on Blackboard you should always confirm that your grade is posted correctly.

- Homework: 100 points
  - There will be five (5) homework assignments from the assigned lectures. Each assignment is worth 20 points. Homework assignments will be available on Blackboard and have a specific closing date. You are encouraged to complete these with resources outside of lectures, such as textbooks, journals and other resources. These assignments are intended to give you experience working through cases. You may work on these assignments with your classmates but your answers must be your own work. The assignments will be opened on Blackboard after the due date for you to use as a study guide.
- Examinations: 300 points
  - There will be two (2) exams throughout the semester. Each exam is worth 150 points. Each instructor will provide exam questions for their sections. Exams are closed book/notes and cannot be discussed with classmates. Exams will be available on Blackboard and will open at the end of a section and remain open for 3 days afterwards. Be aware that exams will close at the times noted based on the server's time. Please allow yourself plenty of time to take the exam prior to the deadline. We are not responsible for network or computer problems outside of the university.
  - Examinations will cover the following:
    - Cardiac diseases, fluid and electrolyte disorders (Midterm examination)
    - Pulmonary pathophysiology, respiratory disease, infectious myopathies (Final examination)

#### Grading Scale:

Grades will be calculated on  
100-point scale

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	%

#### No Make-Up Exams:

All exams must be taken at the scheduled time. Exams cannot be taken before or after the scheduled date/time. If you miss an exam, you will receive a zero as your grade.

**\*Note:** If you have a conflict due to a university-sponsored event, you must notify me prior to the exam with a confirmation letter from University authority. If you miss an exam for medical reasons you need to inform the instructor as soon as possible and provide a statement from a licensed physician.

#### 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. Disabilities 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 at 474-5655 or [uaf-disabilityservices@alaska.edu](mailto:uaf-disabilityservices@alaska.edu). 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.

DVM 747 Clinical Sciences II  
Tentative Lecture Schedule  
Spring 2016  
Sarah B. Love, DVM DACVIM, Coordinator

WEEK	TOPIC (10 hours per week)
1	Introduction/Cardiac function
	Cardiac function
	Heart failure
	Heart failure-drugs
	Heart failure-drugs
	Cardiac exam
	Cardiac exam
	Cardiac exam
	Electrocardiography
	Electrocardiography
2	Echocardiography
	Echocardiography
	Cardiac arrhythmias
	Cardiac arrhythmias
	Cardiac arrhythmias
	Cardiac arrhythmias-treatment
	Cardiac arrhythmias-Equine
	Case discussion 1-Cardiac failure cases
	Equine cardiology-basics
	Equine valvular and myocardial disease
3	Feline cardiology-basics
	Feline cardiomyopathies & thromboembolism
	Systemic hypertension
	Pericardial diseases
	Canine mitral valve disease
	Canine cardiomyopathy
	Congenital cardiac shunts
	Congenital valve disease
	Case discussion 2-Feline & congenital cases
	Cyanotic heart disease
4	Heartworm disease
	Pulmonary hypertension
	Food animal cardiac diseases
	Food animal cardiac diseases
	Cardiac toxicology
	Fluid and electrolyte disorders
	Fluid and electrolyte disorders
	Fluid and electrolyte disorders
	Fluid and electrolyte disorders
	Fluid and electrolyte disorders
5	Fluid and electrolyte disorders
	Case discussion 3-Fluid therapy cases
	Circulatory shock

	Pulmonary pathophysiology
	Pulmonary pathophysiology
	<b>Midterm examination</b>
	Pulmonary failure & supportive therapies
	Respiratory exam
	Respiratory exam
	Respiratory exam
6	Upper respiratory disease-Food animal
	Upper respiratory disease-Food animal
	Bronchopneumonia-food animal
	Metastatic & hypersensitivity pneumonia
	Interstitial & parasitic pneumonia
	Respiratory diseases-Small ruminants
	Diseases of the thoracic cavity-Food animals
	Case discussion 4-Food animal respiratory disease
	Canine and feline nasal disease
	Feline bronchial disease
7	Feline bronchial disease
	Canine bronchitis and collapsing airways
	Pneumonia
	Canine and feline pulmonary edema
	Canine and feline pleural space disease
	Equine respiratory diagnostic testing
	Equine viral respiratory disease
	Equine viral respiratory disease
	Bacterial pneumonia & pleuropneumonia
	Equine lower airway inflammation
8	Mucopurulent nasal discharge and epistaxis
	<i>Streptococcus equi</i>
	<i>Rhodococcus equi</i>
	Airway obstruction, noise, exercise intolerance
	Case discussion 5-Upper respiratory disease
	Infectious myopathies-Large animals
	<b>Final examination</b>