**TRIAL COURSE OR NEW COURSE PROPOSAL**

**SUBMITTED BY:**
- **Department:** Veterinary Medicine
- **Prepared by:** Cathy Griseto
- **Email Contact:** cagriseto@alaska.edu
- **College/School:** CNSM
- **Phone:** 474-1928
- **Faculty Contact:** Sarah Love
  - Asst professor Vet Med

1. **ACTION DESIRED**
   (CHECK ONE):
   - [ ] Trial Course
   - [X] New Course

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?**
   - [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?**
   - [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)**
   - Mode of delivery (specify lecture, field trips, labs, etc)
   - Lecture

   **This course will take place in the second 8 weeks of the semester.**
9. CONTACT HOURS PER WEEK:

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<td>LECTURE</td>
<td>LAB</td>
<td>PRACTICUM</td>
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<td>hours/week</td>
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Note: 3 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/ua/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 F31X or COMM F41X; 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 diagnostian. 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.

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<tbody>
<tr>
<td>H = Humanities</td>
<td>S = Social Sciences</td>
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</table>

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.

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<thead>
<tr>
<th>LETTER</th>
<th>PASS/FAIL</th>
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<td>X</td>
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**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.
   
<table>
<thead>
<tr>
<th>No</th>
<th>X</th>
<th>Yes</th>
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</table>
   
   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 changes 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.

Signature, Chair, Program/Department of: Veterinary Medicine
Date 12-8-15

Signature, Chair, College/School Curriculum Council for: CNSM
Date 11-18-15

Signature, Dean, College/School of: CNSM
Date 12-18-15

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

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

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

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

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

Signature, Chair, Program/Department of:
Date

Signature, Chair, College/School Curriculum Council for:
Date

Signature, Dean, College/School of:
Date

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 (e.g., 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”:

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
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: 5th Edition
   Publisher: Saunders
   ISBN: 978-0323188029

   Textbook Title: West’s Respiratory Physiology: The Essentials
   Editors: West JB, Luks AM
   Edition: 10th Edition
   Publisher: LWW
   ISBN: 978-1496310118

   Textbook Title: Large Animal Internal Medicine
   Editors: Bradford P. Smith
   Edition: 5th 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). 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:

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<tr>
<th>Grade</th>
<th>Points</th>
<th>Percentage</th>
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<tr>
<td>A+</td>
<td>96-100</td>
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<td>A</td>
<td>92-95.9</td>
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<td>A-</td>
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<td>C</td>
<td>68-71.9</td>
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<td>C-</td>
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<td>60-63.9</td>
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<td>F</td>
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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/ssspt/) or the Department of Veterinary Medicine for assistance.

DVM 747 Syllabus
Page 3 of 6
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. 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.
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<tr>
<th>WEEK</th>
<th>TOPIC (10 hours per week)</th>
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<td>Introduction/Cardiac function</td>
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<td>Cardiac function</td>
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<td>Heart failure</td>
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<td>Heart failure-drugs</td>
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<td>Cardiac exam</td>
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<td>Electrocardiography</td>
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<td>Echocardiography</td>
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<td>Cardiac arrhythmias</td>
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<td>Cardiac arrhythmias-treatment</td>
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<td>Cardiac arrhythmias-Equine</td>
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<td>Case discussion 1-Cardiac failure cases</td>
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<td>Equine cardiology-basics</td>
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<td>Equine valvular and myocardial disease</td>
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<td>3</td>
<td>Feline cardiology-basics</td>
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<td>Feline cardiomyopathies &amp; thromboembolism</td>
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<td>Systemic hypertension</td>
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<td>Pericardial diseases</td>
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<td>Canine mitral valve disease</td>
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<td>Canine cardiomyopathy</td>
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<td>Congenital cardiac shunts</td>
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<td>Congenital valve disease</td>
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<td>Case discussion 2-Feline &amp; congenital cases</td>
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<td>Cyanotic heart disease</td>
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<td>Heartworm disease</td>
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<td>Pulmonary hypertension</td>
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<td>Food animal cardiac diseases</td>
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<td>Food animal cardiac diseases</td>
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<td>Cardiac toxicology</td>
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<td>Fluid and electrolyte disorders</td>
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<td>Case discussion 3-Fluid therapy cases</td>
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<td>Circulatory shock</td>
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<td>Midterm examination</td>
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<td>Pulmonary failure &amp; supportive therapies</td>
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<td>Respiratory exam</td>
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<td>Respiratory exam</td>
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<td>Respiratory exam</td>
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<td>Upper respiratory disease-Food animal</td>
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<td>Upper respiratory disease-Food animal</td>
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<tr>
<td>Bronchopneumonia-food animal</td>
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<td>Metastatic &amp; hypersensitivity pneumonia</td>
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<td>Interstitial &amp; parasitic pneumonia</td>
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<tr>
<td>Respiratory diseases-Small ruminants</td>
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<td>Diseases of the thoracic cavity-Food animals</td>
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<td>Case discussion 4-Food animal respiratory disease</td>
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<td>Canine and feline nasal disease</td>
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<td>Feline bronchial disease</td>
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<td>Feline bronchial disease</td>
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<tr>
<td>Canine bronchitis and collapsing airways</td>
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<td>Pneumonia</td>
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<td>Canine and feline pulmonary edema</td>
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<td>Canine and feline pleural space disease</td>
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<td>Equine respiratory diagnostic testing</td>
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<td>Equine viral respiratory disease</td>
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<td>Equine viral respiratory disease</td>
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<td>Bacterial pneumonia &amp; pleuropneumonia</td>
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<td>Equine lower airway inflammation</td>
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<tr>
<td>Mucopurulent nasal discharge and epistaxis</td>
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<tr>
<td><em>Streptococcus equi</em></td>
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<td><em>Rhodococcus equi</em></td>
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<td>Airway obstruction, noise, exercise intolerance</td>
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<tr>
<td>Case discussion 5-Upper respiratory disease</td>
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<tr>
<td>Infectious myopathies-Large animals</td>
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<tr>
<td>Final examination</td>
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