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.

	TR	IAL COURS	E OR	NEW CO	OURSE PRO	POSAL			
UBMITTED BY:									
Department	Veterinary Mo	edicine		College/School			CNSM		
Prepared by	Cathy Griseto			Phone			474-1928		
Email Contact	cagriseto@alaska.edu			Faculty Contact		IV.A.	Michael Harris & Arleigh Reynolds Assoc Dean Vet		
1. ACTION DESIRED Trial Cours (CHECK ONE):			se		New Co	New Course X			
2. COURSE I	DENTIFICATION:	Dept	D	VM	Course #	618	No. Credi		7
Justify upper/lower division status & number of credits: Professional Program required course – see CSU syllabus attached									
3. PROPOSED COURSE TITLE: Organ Systems Anatomy & Physiology									
	OSS LISTED? YES/NO s-listing requir	NO ses approval		f yes, Dept:		Course		Add	lines at
	form for addition				z cinerios di	a deane in	vorvea.	rida .	rines de
5. To be ST	ACKED? YES/NO	NO	I	f yes, Dept.		Cou	Course #		
from ea taught Stacked cours by the Gradua and graduate different cou different (i. undergraduate the committee	ch other? How at the appropriate Academic and versions—will hearses. The committee is there unders being overtaxes are looking of mittee has qualified.	will each iate level are reviewed Advising Co elp emphasiz ttees will d ergraduate a ed?; 3) are ut for the i	be ?: I by the mmitte see the setermiand graduanteres	e. Crea differe ne: 1) duate 1 te stud ts of t	ting two d nt qualiti whether th evel conte ents being he student	ifferent sees of whate e two versent being of undertaxes taking to	syllabi—us are sursions are offered); ed? In the cours	ndergoposed suff (2) a chis c	raduate to be two iciently re ontext, pically,
6. FREQUENCE	Y OF OFFERING:	Fall ead							NORTH AND ADDRESS OF THE PARTY
		Fall,			(Every, o				or Odd-
	& YEAR OF FIRE if approved by Y2014-15)		G	A	Y2015-2016				
compressed in	hours may not b nto fewer than s thermore, any co	ix weeks mus	st be a	pproved	by the co	ollege or	school's	curri	culum

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)

OTHER FORMAT (specify)

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

Lectures and Labs

RECEIVED

AUG -5 2014

9. CONTACT HOURS PER WEEK:	5 LECTURE	6 LAB	0 PRACTICUM
Note: # of credits are based on cor of lab in a science course=1 credit minutes of practicum=1 credit. 24 the syllabus. See http://www.uaf.ed	t. 1600 minutes in n 00-8000 minutes of in du/uafgov/faculty-sen	on-science lab=1 credit. The ate/curriculum/course	dit. 2400-4800 This must match with
/guidelines-for-computing-/ for mo. OTHER HOURS (specify type)	re information on num	ber of credits.	
10. COMPLETE CATALOG DESCRIPTION is distribution, cross-listings			
Example of a <u>complete</u> description: FISH F487 W, O Fisheries Mana			
3 Credits Offered Spring Theory and practice of fisher. utilized for the management of F131X or COMM F141X; ENGL F11 permission of instructor. Cre DVM 616 Department of Veterinary	ies management, wit f freshwater and ma 1X; ENGL F211X or 1 oss-listed with NRN	arine fisheries. Pr ENGL F213X; ENGL F4	cerequisites: COMM
7 Credits Offered Fall Organ Systems Anatomy & Physiology This course will provide solid knowledge Prerequisites: Acceptance into Profes	y in the Physiology of all of		s and hemotology.
11. COURSE CLASSIFICATIONS: Under Council to apply S or H class H = Humanities Will this course be used to for the baccalaureate core? IF YES, check which core required to the property of	s = Soc ofulfill a required If YES, attach for	ment rm. yes: yes: yes: yes:	NO: x
Format 6	The state of the s	rmat 7	Core
11.A Is course content related to "snowflake" symbol will be YES		ed Catalog, and fla	
12. COURSE REPEATABILITY: Is this course repeatable for credit?	YES	NO X	
Justification: Indicate why be repeated (for example, the a different theme each time)	e course follows		
How many times may the cours	e be repeated for	credit?	TIMES
If the course can be repeate number of credit hours that			CREDITS
If the course can be repeate maximum number of credit hou	d with variable cre	edit, what is the	CREDITS
13. GRADING SYSTEM: Specify only	y one. Note: Chang	ring the grading sy	stem for a course
later on constitutes a Major LETTER: X PASS/FAIL:	Course Change - For		

RES	TRICTION	IS ON	ENROLI	MENT ((if any)			Ball 6	
14.	PREREG	QUISI	TES	Accep	tance into Pr	ofess	ional Veterinary Medical Program or	permissi	on of Instructor
						Th	ese will be required before	the st	cudent is allowed
	. SPECIA		STRICT	ONS,			ceptance into Professional Veterinary I	Medical 1	Program or
16	. PROPOS	SED C	OURSE 1	TEES	TBD				
	Has	a me	mo beer	n subm	itted thr	ough	your dean to the Provost f	or fee roval? Yes/No	Yes
17.	PREVIOU	JS HI	STORY						
	Has the previo			en off	ered as s	peci	al topics or trial course	No	
	If yes course		re seme	ster,	year,				
18.		MPACI	T, IF A				ON BUDGET, FACILITIES/SPACE		
					ed by BOR ation in pro		ancellor and Provost – Impact on A	Animal F	Resource Center
	474-669	u con 5) wi s ava	tacted th reg ilable	the lard to	the adeq	uacy ed c	ction development officer (k of library/media collectic course? If so, give date of	ns, eq	uipment, and
	No	ж	Yes		Departme	ent v	will keep complete library on AHRB office	of requ	ired
20.	IMPACTS	ON	PROGRAM	IS/DEPT	rs				
	What pi	rogra	ms/dep	partme	nts will		affected by this propose tments contacted (e.g., email,		ion?
	Impact of approved					y in y	year 1 due to renovation in process	. ARC	contacted and
21.		speci	fy pos	itive	and negat		impacts on other courses, p	rogram	s and
		nal de	velopme				nts may request admission to class oviding curriculum in biomedical s		
T	he purp	ose o	f the	departr		camp	us-wide curriculum committe		

to enrol

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 first 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.	
Chler Ma Li	Date 7/7/14
Signature, Chair, Program/Department of: Veterinary Medicine	
201	Date 10-7-19
Signature, Chair College/School Curriculum Council for:	
Laulu Ag	Date 10/7/14
Signature, Dean, College/School CNSM of:	
Offerings above the level of approved programs must the Provost.	be approved in advance by
	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 Revi	
	iewGAAC
Faculty Senate Review Committee:Curriculum Revi	iewGAAC SADAC
Faculty Senate Review Committee:Curriculum ReviewCore Review	iewGAAC SADAC
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Faculty Senate Review Committee:Curriculum ReviewCore ReviewCore ReviewCore ReviewSignature, Chair,	iewGAACSADAC nd/or stacking) Date
Faculty Senate Review Committee:Curriculum ReviewCore ReviewCore ReviewCore ReviewCore Review	iewGAACSADAC nd/or stacking) 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: \square Course textbook title, \square author, \square edition/publisher. \square Supplementary readings (indicate whether \square required or \square 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. \square 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: \square Specify how students will be evaluated, \square what factors will be included, \square their relative value, and \(\square\) 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 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.

DVM 618 ORGAN SYSTEMS: ANATOMY, HISTOLOGY & PHYSIOLOGY SYLLABUS – FALL

Department of Veterinary Medicine, University of Alaska Fairbanks

1. Course Information:

Title: Organ Systems; Anatomy & Physiology

Number: DVM 618

Credit: 7

Prerequisites: Successful Application to Professional Veterinary Program

Location: TBD

Five hours of lectures per week with two labs per week (three hours

each). Exact times TBD. Each week includes lectures and labs which correspond with the lectures – grades are based on both lecture/exams

and lab/exams.

2. Contact Information:

Meeting time:

Name: Dr. Michael Harris, Course Coordinator

Office Location: 123 Margaret Murie Life Sciences Building

Office Hours: By appointment

Office Phone: TBD

Email: mbharris@alaska.edu

Instructor: Lorrie Rea

ldrea@alaska.edu

Instructor: TBD - Physiologist

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:

None required. Recommended readings, including journal articles, will be distributed prior to class sessions via on-line resources or during class periods.

4. Course Description:

The course will include an introduction to veterinary organ systems, tissues, cartilage, bone, muscle, arthrology, nervous system, hematopoiesis, lymphatic, cardiovascular, respiratory and digestive systems; the renal system and physiology. The course will help to place the veterinary knowledge in the future clinical field.

5. Course Goals:

Through a team of instructors this course will present an introduction to veterinary anatomy and physiology of organ systems in domestic animals and wildlife that will help students build an understanding of the scientific principles underlying veterinary medicine. This material will be presented in a problem-based learning approach to encourage critical thinking to prepare students for future clinical learning and veterinary practice. This course will help students understand the limitations of their knowledge in anatomy and physiology and how to address information gaps through effective self-directed use of sources of information.

6. Student Learning Outcomes:

For students to gain a working knowledge of the anatomy and physiology of organ systems in domestic animals and wildlife species, with an understanding of the interconnectedness of systems, that will prepare them for further education in veterinary sciences. Through this course we expect students to develop disciplinary knowledge through demonstration of systematic and coherent knowledge in animal physiology and anatomy, apply analytical thought to this body of knowledge. Students will learn to work effectively with others and to express ideas clearly both in writing and oral communication, including using media as appropriate. The successful student will also apply scientific and quantitative reasoning to define analyze and solve problems and improve information literacy through access, evaluation and use of relevant reference sources.

6. Instructional Methods:

The course is designed based on the scientific teaching method. This method includes active learning and group activities as well as formative assessments. The students are expected to read assigned material ahead of class so that class time can be spent on discussion of assigned reading, problem solving as well as other active learning activities. Assessment will be used throughout the course to help students judge their learning progress and help identify areas in need of focused attention.

This course will use Blackboard (classes.uaf.edu) to make additional information available. All information associated with this course will be posted there, including lecture notes, slides, handouts, or study guides etc. Student version of lectures will be posted before each lecture. Students are expected to download, print and preview the material before each lecture. Students can also check your grades and make sure that information related to your record is accurate.

7. Course Calendar:

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

8. Course Policies:

- Attendance:
 - Students are expected to attend all classes.
- 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 or wireless devices, or use of any type of communicative device. All cell phones or other such devices must be turned off while in the classroom. 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.

9. Evaluation:

Weekly laboratory quizzes will be administered on-line via Blackboard. Details on Blackboard will be given in class. There will also be 3 glass slide quizzes. The laboratory final examination will require students to examine specimens on glass slides. Histology is looking at images on/from glass slides. These images will be on your weekly quizzes, glass slide quizzes and the cumulative lab final. Written examinations may include multiple-choice, short-answer, and/or essay questions. Lecture exams DO NOT have visual histology images on them, but content from the lecture or lab could be on the lecture or lab exams.

No Make-Up Exams:

All exams must be taken at the scheduled time. NO EXCEPTIONS! 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.

• Grading Scale: Each week includes lectures and labs which correspond with the lectures – grades are based on both lecture/exams and lab/exams.

Grades will be calculated on a 100-point scale.

A/A+ 93 - 100% A-90 - 92.9%B+ 87 - 89.9%В 83 - 86.9% B-80 - 82.9%C+ 77 - 79.9% С 70 - 76.9%D 65 - 69.9% F <65%

10. 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.

11. 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 (474-7043). 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 Lecture Schedule - Each week includes lectures and labs which correspond with the lectures – grades are based on both lecture/exams and lab/exams.

Week 1 9/3-9/9/15
Histology and microscopy
Systems, organs and tissue concepts
Lining epithelium
Glandular epithelium
Integumentary system

Week 2 9/10-9/16/15
General Tissues, Epithelia & Glandular
Histology of the hoof and claw
Overview of connective tissue
Cartilage
Histology of bone

Week 3 9/17-9/23/15
Bone development and arthrology
Muscle tissue
Nervous tissue
Membrane potentials and excitable cells
Cell biology of muscle

Week 4 9/24-9/30/15

Cell biology of neurons Function of the ANS ANS Receptors Hematopoietic system Hematopoietic system

Week 5 10/1-10/7/15

Hematopoietic system
Lymphatic system
Lymphatic system
EXAM 1:
Receptors and cell signaling

Week 6 10/8-10/14/15

Endocrine system
Endocrine system
Endocrine system
Endocrine system
Anatomy of tubular viscera

Week 7 10/15-10/21/15

Cardiovascular system Cardiovascular system Cardiovascular system Cardiovascular system Cardiovascular system

Week 8 10/22-10/28/15

Cardiovascular system Cardiovascular system (VM616, Dev. of face) (VM616, Larynx) Cardiovascular system

Week 9 10/29-11/4/15 Respiratory system Respiratory system EXAM 2: Respiratory system

Week 10 11/5-11/11/15

Respiratory system Respiratory system Respiratory system Respiratory system Respiratory system

Week 11 11/12-11/18/15 Respiratory & Digestive Systems

Respiratory system Respiratory system Digestive system Digestive system Digestive system

Week 12 11/19-11/25/15

Digestive system
Digestive system
Digestive system
Fluids and electrolytes

EXAM 3: RESPIRATORY AND DIGESTION

Week 14 11/30-12/4/15

Renal physiology Renal physiology Renal physiology Renal physiology Renal physiology

12/7-12/11/15

Renal physiology Renal physiology Acid-base physiology Acid-base physiology Acid-base physiology Comparative osmoregulation and excretion

12/14-12/16/15 FINALS Cumulative Lab - and Cumulative Lecture

Laboratory:

Laboratory exercises are designed to familiarize the student with the principals and practices of light microscopy and tissue histology. Exercises will include hands-on use of microscopes, tissue and sample preparation, and identification of histological features of all major tissue types. Weekly laboratory exercises will follow the schedule:

Laboratory 1 Introduction to the Principles of Histology & Microscopy Laboratory 2 Surface Epithelia & Glandular Epithelium Laboratory 3 Connective Tissues (Cartilage, Adipose & Fibrous), Skin/Integument & Hoof Laboratory 4 Connective Tissue (Bone), Muscle Tissue & Arthrology Laboratory 5 Nervous Tissue Glass Slide Quiz 1 (Review labs 1-5) Laboratory 6 Hematopoiesis & Lymphatic System Laboratory 7 Endocrine System Laboratory 8 Cardiovascular System Laboratory 9 Respiratory System Glass Slide Quiz 2 (Review labs 6-9)

Laboratory 10 Gastrointestinal System I – The Digestive Tube

Laboratory 11 Gastrointestinal System II – Accessory Digestive Organs Laboratory 12 Urinary System Glass Slide Quiz 3 (Review labs 10-12)

> DVM 618 Syllabus Page 6 of 6