RESTRICTIONS ON ENROLLMENT (if any)

Has the course been offered as special topics or trial course

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

Impact on Animal Resources Center

approved (eblake@alaska.edu)

Please specify positive and negative impacts on other courses, programs, departments resulting from the proposed action

APPROVALS: Add additional
Veterinary Medicine

ATTACH COMPLETE SYLLABUS

http://www.uaf.edu/uafgov/faculty_senate/curriculum/course_degree_proced

COURSES

following information (as applicable to the discipline):

meeting tim

(make sure that contact hours are in line with credits).

7. Instructional metho

Describe the teach

ng techniques (eg: lecture, case study, small group discussion

es/uafgov/Info-to-Publicize-C Gra

http://w uaf.edu/f

provide reasonable accommodation to students with disabilities.

ITAKER 474-5655)

5/21/2013

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

Location: TBD
Meeting time: 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

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

Plagiarism is the overt or covert use of other people's work or ideas without

[redacted]

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

[redacted]

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

[redacted]

Cardiovascular system
Cardiovascular system
Cardiovascular system

Week 8 10/22-10/28/15

[redacted]

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

Week 9 10/29-11/4/15
Respiratory system

[redacted]

EXAM 2:
Respiratory system

Week 10 11/5-11/11/15

Respiratory system
Respiratory system
Respiratory system

12/7-12/11/15

Renal physiology
Renal physiology
Acid-base physiology
Acid-base physiology

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