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.

9. CONTACT HOURS PER WEEK: | 3 | 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

RESTRICTIONS ON ENROLLMENT (if any)

14. PREREQUISITES Acceptance in Professional Veterinary Medical Program or permission of instructor

APPROVALS: Add additional signature lines as needed

	Date
Signature, Chair, College/School Curriculum Council for:	10-2-14
CNSM	

DVM 637 Veterinary Bacteriology and Mycology

SYLLABUS – SPRING

Department of Veterinary Medicine, University of Alaska Fairbanks

1. Course Information:
   Title: **Veterinary Bacteriology and Mycology**
   Number: 637
   Credit: 3
   Prerequisites: Successful completion of first semester of veterinary courses

   Meeting time: Three times a week for one hour lectures exact time TBD

2. Instructor Contact Information:
   Name: Dr. Karsten Hueffer
   Office Location: Arctic Health Research Building 2W02

   Office Hours: By appointment
   Office Phone: 907-474-6313
   Email: khueffer@alaska.edu

Email is the best way to reach the instructor. You should receive a response to

5. Course Goals:

To present the basics of veterinary bacteriology & mycology and the characteristics of each family of bacteria or fungi; how different microbes interact with their respective hosts at molecular, cellular, organismal and population levels in causing

diseases with emphasis on practical considerations related to accurate diagnosis

Textbooks

There are many reference books that you may find helpful as a supplement to the lectures. A wide variety of general, allied health, and health professions microbiology textbooks are available in the library. Various veterinary medical textbooks have large sections devoted to infectious diseases. Within these discussions of disease, the

frequently reviewed.

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.
   - Classroom Behavior:
     Any type of behavior in the classroom that is disruptive, distracting, or

graded. These

Tentative Lecture Schedule

[redacted]

Week 1 1/14-1/20 **Introduction: Bacterial Structure & Pathogenesis of bacterial infections**

[redacted]

Genetics, Antimicrobial Resistance Antimicrobials

[redacted]

Streptococcus cont., *Staphylococcus*
Staphylococcus cont., *Rhodococcus*

Week 4 2/4-2/10 ***Corynebacterium, Trueperella***
Listeria,
Erysipelothrix, Actinomycetes

Week 5 2/11-2/17 ***Bacillus***
Clostridium
Clostridium cont.

Week 6 2/18-2/24 **Non-spore forming anaerobes**
Exam 1
Enterobacteriaceae, *E. coli*

Week 7 2/25-3/2 ***E. coli, Klebsiella, Proteus***

Week 13 4/18-4/22 ***Ehrlichia, Coxiella***

[redacted]

Dermatophytes
Dimorphic Fungi

Week 14 4/25-4/29 **Miscellaneous Fungi: *Aspergillus, Pneumocystis*, Mycotoxin production**

[redacted]

Disinfectants, Course conclusion

Week 15 5/2-5/6 **Examination III / Comprehensive exam as**

[redacted]

scheduled by University