20-GNC Revised 4/17/2015

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**	**Arleigh Reynolds, Assoc Dean Vet Med**

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

2. COURSE IDENTIFICATION: Dept **DVM** Course # **648** No. of Credits **2**

Justify upper/lower division status & number of credits: **Professional Program required course – see CSU syllabus attached**

3. PROPOSED COURSE TITLE: **Food Animal Production & Food Safety**

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**

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) **AY2015-2016**

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**										

9. CONTACT HOURS PER WEEK: **2** 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) [ ]

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 648 Department of Veterinary Medicine
2 Credit Offered Spring
Food Animal Production and Food Safety
This course is designed to provide an understanding of food animal agriculture and food quality assurance. Students will explore contemporary production management systems of traditional and non-traditional food animal species. Animal welfare issues related to the raising of animals for food will be investigated. Students will learn where veterinary medicine fits into the protection of the human food supply.

Pre-requisites: Successful completion of first Semester Veterinary Courses

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	**Successful completion of the first semester of Veterinary Medical Program**

These will be *required* before the student is allowed to enroll in the course.

15. SPECIAL RESTRICTIONS, CONDITIONS	**Professional Veterinary Medical program student**

16. PROPOSED COURSE FEES	
Has a memo been submitted through your dean to the Provost for fee approval? **Yes/No**	

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 on Animal Resource Center in year one depending upon renovation completion.

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 in year one due to renovation completion. 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.*

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 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).

As per attached

APPROVALS: Add additional signature lines as needed.

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

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)

APPROVALS: Add additional signature lines as needed.

Signature, Chair, Program/Department of:	Veterinary Medicine	Date 7/7/14
Signature, Chair, College/School Curriculum Council for:	CNSM	Date 10-2-14
Signature, Dean, College/School of:	CNSM	Date 10/3/14

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:	Date

___Curriculum Review ___GAAC

___Core Review ___SADAC

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

Revised 4/17/2015

DVM 648: FOOD ANIMAL PRODUCTION AND FOOD SAFETY
SYLLABUS – Spring Year 1

Department of Veterinary Medicine, University of Alaska Fairbanks

1. Course Information:

Title:	Food Animal Production and Food Safety
Number:	DVM 648
Credit:	2
Prerequisites:	Successful completion of the first semester of Veterinary Medical Program
Location:	TBD
Meeting time:	Two lecture hours per week

2. Instructor Contact Information:

Name:	Dr. Lisa Lunn
Office Location:	182A Arctic Health Research Building
Office Hours:	By appointment
Office Phone:	907-474-1928
Email:	llunn2@alaska.edu

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

3. Course Reading/Materials:

Course material will consist of written notes, PowerPoints, journal articles, and videos. All required course materials will be posted on Blackboard.

There are three recommended (but not required) texts for this course:

Textbook Title: Scientific Farm Animal Production
Editors: Taylor and Field
Edition: 10th Edition, 2012

Textbook Title: Food Safety and Quality Assurance
Editors: Hubbert, et al
Edition: 2nd Edition, 1996

Textbook Title: Contemporary Issues in Animal Agriculture
Editors: Cheeke
Edition: 3rd Edition, 2004

4. Course Description:

This course is designed to provide an understanding of food animal agriculture and food quality assurance. Students will explore contemporary production management systems of traditional and non-traditional food animal species. Animal welfare issues related to the raising of animals for food will be investigated. Students will learn where veterinary medicine fits into the protection of the human food supply.

5. Course Goals:

The goal of this course is for veterinary students to gain an appreciation of the complex and challenging issues surrounding the utilization of animals as a food source. By the end of the course, a student will:

- Gain an appreciation of the changes in livestock production agriculture, locally and globally
- Understand characteristics of various livestock management systems
- Recognize key areas of management that directly impact food animal health
- Become aware of current animal welfare issues faced by producers
- Recognize appropriate methods of euthanasia on the farm and at the abattoir
- Understand the process of harvesting animal foods (meat, milk, eggs) from live animal to finished product
- Understand the management of food harvest and the areas where contamination can occur
- Be able to discuss pertinent food animal diseases as well as zoonotic disease

6. Student Learning Outcomes:

Upon successful completion of this course, a student will be able to:

- Describe common contemporary animal production systems
- Critically evaluate areas of management and housing that negatively affect animal health
- Critically analyze controversial welfare issues in food animal production
- Describe how animal health, environment, and food harvest techniques interrelate to impact each other and ultimately affect human health
- List and describe common quality assurance and food safety practices
- Identify zoonotic diseases related to food animals

7. Instructional Methods:

This course is designed to provide knowledge about the rearing of food animal species and the safe harvesting of the resultant food products. More importantly, it is designed to help students develop the critical reasoning skills necessary for a veterinarian to make informed decisions regarding animal health and food quality assurance. To achieve those goals, we will utilize a combination of classroom learning techniques: traditional didactic lectures, small group discussions, formative assessments, as well as homework projects. Critical thinking modules (small group case-based discussions, ethical debates, and problem-based simulations) will be used to provide instruction in each topic. Students are expected to read assigned material before the start of class so that class time can be spent on active discussion and problem solving of assigned material. On-line laboratory quizzes and homework assignments will be utilized throughout the course to stimulate student learning. Blackboard will be used for publishing of course notes, PowerPoints, supplemental reading material, as well as audio/visual teaching aids.

8. Course Calendar:

Week	Lecture Topics
1	Evolution of world agriculture
2	Animal production systems, Feeds and feeding systems
3	Livestock handling, Livestock welfare
4	Small Ruminant production
5	Beef production
6	Dairy production
7	Swine production

8	Poultry production, Non-traditional Food Animal production
9	Milk harvest
10	Slaughter/Euthanasia, Meat harvest
11	Organic food processing Food product harvesting and processing
12	Foodborne disease
13	Feed additives Food safety testing
14	Food quality and safety management

9. Course Policies:

- Attendance: Students are expected to attend all classes and actively participate in discussions. Requests for excused absences must first be discussed with the instructor for the section to be missed. It is the responsibility of the student to provide an excused absence form to the instructor for signature. In the event of emergencies resulting in absence, it is the student's responsibility to contact the Department office and register the cause as soon as possible.
- Classroom Behavior: Any type of behavior in the classroom/laboratory that is disruptive, distracting, or disrespectful to the instructor or to students will not be tolerated and will result in dismissal from the lsession. This includes, but is not limited to, disrespectful comments, use of tobacco products, consumption of food, and inappropriate use of cell phones or wireless devices. Cell phones or other means of communication must be silenced before entering the classroom. Browsing of the internet (unless part of a required class activity) and text messaging is prohibited during class time.
- Plagiarism: Plagiarism is the overt or covert use of other people's work or ideas without acknowledgment 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 work. Plagiarism and cheating are serious offenses that violate the student code of conduct which may result in a grade of "F" in the course and/or referral to the university disciplinary committee.

10. Evaluation:

Students will have the opportunity to earn 1000 points in the course.

- Pre-class quizzes: 250 points
    - There will be a pre-class quiz in each lecture that reflect assigned reading material. Each quiz is worth ten (10) points. The highest twenty-five (25) quizzes will count toward the final grade. There are no make-up quizzes. A missed quiz will be counted as a zero (0) and can be used as one of the quizzes that will not be counted. The questions on the quiz will come directly from the required reading. You may access the notes posted on Blackboard when taking the quiz. Questions will be mixture of multiple choice and short answer.
- Class Participation: 125 points
    - This course is designed to stimulate active student participation. Each class period will have an activity designed to stimulate critical thinking of the topic. Five (5) points can be earned during each class. The highest twenty-five (25) participation grades will count toward the final grade. An absence from class or failure to participate will result in a grade of zero (0) for the day. Participation points are rewarded for active, thoughtful interaction in the daily activity. Wrong answers will not be counted against a student. The goal is to learn how to problem solve in a group setting and how to develop logical problem solving skills necessary for veterinary investigation.
- Critical Reasoning Homework assignments: 500 points

- There will be twenty (20) post-section critical reasoning homework assignments. The homework will involve application of section material as it relates to a case-based scenario. Each homework assignment is worth twenty-five (25) points. All homework assignments count toward the final grade. At the completion of a topic, a case-based document will be posted on Blackboard. Each student must send their final response to the instructor via Blackboard. Due dates will be listed when the case is posted – no late assignments will be accepted. Class notes, journal articles, veterinary text books can all be used to solve the problem. Students may work together on the homework. Active use of the Blackboard discussion board is encouraged! While group work is allowed, each student must post their own final responses to the case, reflecting their own thoughts and ideas. Group submission is not permitted.

- Final paper: 125 points
  - The final paper will involve researching a food animal disease and writing up an informative piece that could serve as an "Extension-type" of publication, designed as producer educational material. Midway through the course, students will pick a disease that they would like to investigate. The paper should inform farmers about the disease: for example: the clinical signs that can be observed in affected animals, testing methods, and management strategies to prevent future disease. Students will meet with me to have their topic approved. Once approved, research may begin. Once month before the completion of the course, students will submit their rough draft and meet with me to discuss the paper. Two weeks later, students can submit a revision (although this step is optional). Final papers are due on the last day of scheduled class. Papers will be submitted through Blackboard no later than 5pm. Late submission will result in a loss of 20% of the possible points.

- Grading Scale: Grades will be calculated as follows

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	%

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. Disability Services:

All students, including those with disabilities, are welcome in this course. Equal access to the course will be provided to all students. If you have a disability (including learning disabilities) it is your responsibility to inform the instructor during the first week of class so that you're specific need may be accommodated. If you have not already done so, you will also need to contact UAF's Office of Disability Services by email at uaf-disabilityservices@alaska.edu, by phone at (907)474-5655, or by TTY at (907)474-1827.