

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.

<b>TRIAL COURSE OR NEW COURSE PROPOSAL</b>
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**SUBMITTED BY:**

Department	Veterinary Medicine	College/School	CNSM
Prepared by	Cristina Hansen	Phone	474-1888
Email Contact	cmhansen@alaska.edu	Faculty Contact	Cristina Hansen

**1. ACTION DESIRED**

(CHECK ONE):

Trial Course

New Course

X

**2. COURSE IDENTIFICATION:**

Dept

DVM

Course #

733

No. of Credits

2

Justify upper/lower division status &amp; number of credits:

Professional Program required course – see syllabus

**3. PROPOSED COURSE TITLE:**

Principles of Surgery

**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 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 and Lab

**9. CONTACT HOURS PER WEEK:**

1

LECTURE  
hours/weeks

3

LAB  
hours /weekPRACTICUM  
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 733 Department of Veterinary Medicine**

**2 Credit Offered Spring**

**Principles of Surgery**

This course teaches principles and concepts of general and orthopedic surgery, including aseptic technique, surgical instrumentation, suture patterns, tissue healing, and wound management. These topics comprise core material that prepares veterinary students for specific surgery topics.

**Pre-requisites:** Successful completion of first year veterinary medical program; good standing in professional veterinary medicine program.

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 added in the printed Catalog, and flagged in Banner.

"snowflake" symbol will be

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:

PASS/FAIL:

X

**RESTRICTIONS ON ENROLLMENT (if any)**

14. **PREREQUISITES**

Successful completion of first year veterinary medical program; good standing in professional veterinary medicine 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**

TBD

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.

No

x

Yes

Department will keep complete library of required course materials in AHRB office

**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 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 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.**

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)

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

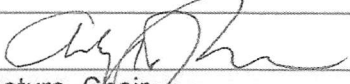
Date

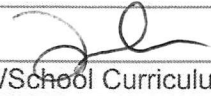
Signature, Chair

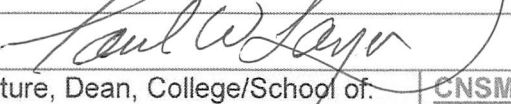
Faculty Senate Review Committee: \_\_\_ Curriculum Review \_\_\_ GAAC



**APPROVALS:** Add additional signature lines as needed.

	Date	2/10/16
Signature, Chair, Program/Department of:	<u>Veterinary Medicine</u>	

	Date	2-12-16
Signature, Chair, College/School Curriculum Council for:	<u>CNSM</u>	

	Date	2/12/16
Signature, Dean, College/School of:	<u>CNSM</u>	

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)		

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

	Date	
Signature, Chair Faculty Senate Review Committee: <input type="checkbox"/> Curriculum Review <input type="checkbox"/> GAAC <input type="checkbox"/> Core Review <input type="checkbox"/> SADAC		

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

	Date	
Signature, Chair, Program/Department of:		

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

	Date	
Signature, Dean, College/School of:		

**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 (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:

☐ 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":

[http://www.uaf.edu/files/uafgov/Info-to-Publicize-C Grading-Policy-UPDATED-May-2013.pdf](http://www.uaf.edu/files/uafgov/Info-to-Publicize-C%20Grading-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.

5/21/2013

*Revised*  
*5/4/16*

# **DVM 726 PRINCIPLES OF SURGERY**

## **SYLLABUS - SPRING**

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**Department of Veterinary Medicine, University of Alaska Fairbanks**

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### **1. Course Information**

Title: Principles of Surgery  
Number: DVM 733  
Credits: 2  
Prerequisites: Successful completion of first year veterinary medical program; good standing in professional veterinary medicine program.  
Location: TBD  
Meeting time: TBD

### **2. Instructor Contact Information:**

Name: Dr. Cristina Hansen  
Office Location: 147 Irving I  
Office hours: Tuesdays and Thursdays 9:00 am  
Office phone: 474-1888  
Email: cmhansen@alaska.edu

Email is the best way to reach the instructor. You should receive a response to your email within 24 hours. If you do not receive a reply within this time, assume that the email was not received.

### **3. Course Reading/Materials:**

There are no required textbooks for this principles course due to it's broad nature and scope. However, for some lectures, specific reading assignments have been made, and in others suggested reading assignments have been offered. Listed below are surgery textbooks that are excellent resources for this course.

Textbook title: Brinker, Piermattei, and Flo's Handbook of Small Animal Orthopedics and Fracture Repair.  
Editor: Piermattei, Flo, and DeCamp  
Edition: 4th edition  
Publisher: Elsevier  
ISBN: 978-0721692142

Textbook title: Small Animal Surgery  
Editor: Fossum  
Edition: 4th edition  
Publisher: Elsevier  
ISBN: 978-0323100791

Textbook title: Veterinary Surgery, Small Animal  
Editor: Tobias, Johnston  
Edition: 1st edition  
Publisher: Elsevier  
ISBN: 978-1437707465

Textbook title: Equine Surgery  
Editor: Auer  
Edition: 4th edition  
Publisher: Saunders  
ISBN: 978-1437708677

Textbook title: Current Techniques in Equine Surgery and Lameness  
Editor: White and Moore  
Edition: 2nd edition  
Publisher: Saunders  
ISBN: 978-0721646015

Textbook title: Wound Care Management for the Equine Practitioner  
Editor: Hendrickson  
Edition: 1st edition  
Publisher: Teton NewMedia  
ISBN: 978-1591610212

Textbook title: Diagnostic and Surgical Arthroscopy in the Horse  
Editor: McIlwraith  
Edition: 3rd edition  
Publisher: Elsevier  
ISBN: 978-0723436935

Textbook title: Equine Fracture Repair  
Editor: Nixon  
Edition: 1st edition  
Publisher: Saunders  
ISBN: 978-0721667546

#### **4. Course Description:**

This course teaches principles and concepts of general and orthopedic surgery, including aseptic technique, surgical instrumentation, suture patterns, tissue healing, and wound management. These topics comprise core material that prepares veterinary students for specific surgery topics.

#### **5. Course Goals:**

Goals of this course are to discuss the principles and concepts of general and orthopedic surgery. Students will understand patient assessment, aseptic technique, surgical instrumentation, suture patterns, and bone/wound healing. They will be expected to use this information in a clinical context.

#### **6. Learning Outcomes:**

By the end of this course, students should be able to: (A) Integrate surgical principles such as aseptic technique, surgical instrumentation, suture materials, and suture patterns on decision-making for the surgical patient. (B) Evaluate wound healing properties and the effect on the surgical patient and outcome. (C) Understand the basic principles of abdominal surgery. (D) Describe and classify fractures; have a basic understanding of bone healing, common fixation techniques, and how various repair techniques influence bone healing, and subsequently the outcome of the surgical patient (including common complications of fracture repair). (E) Describe the factors that influence patient outcome following joint surgery or tendon repair.

#### **7. Instructional Methods:**

The course will consist of lecture style instructions.

#### **8. Course Calendar:**

<b>Date</b>	<b>Topic(s)</b>	
Week 1	Lecture 1: Asepsis, antisepsis, and surgery Lecture 2: Surgical instrumentation	
Week 2	Lecture 3: Suture materials Lecture 4: Suture patterns	
Week 3	Lecture 5: Suture patterns Lecture 6: Principles of tissue healing	
Week 4	Lecture 7: Principles of tissue healing Lecture 8: Fracture classification	
Week 5	Lecture 9: Bone healing and grafts Lecture 10: Principles of wound management	
Week 6	Lecture 11: Preparation of the patient and surgical team Lecture 12: Perioperative patient care and assessment	
Week 7	Lecture 13: General principles of abdominal surgery Lecture 14: General principles of abdominal surgery	



Week 8	Lecture 15: General principles of abdominal surgery Exam 1: Lectures 1 - 15
Week 9	Lecture 16: Principles of fracture fixation; pins and wire Lecture 17: Principles of fracture fixation; plates and screws
Week 10	Lecture 18: Principles of fracture fixation: ESF Lecture 19: Fixation selection (fracture assessment score)
Week 11	Lecture 20: SA orthopedic complications Lecture 21: Principles of LA fracture management
Week 12	Lecture 22: Principles of tendon injury and repair Lecture 23: Principles of joint surgery
Week 13	Lecture 24: LA orthopedic complications Lecture 25: SA limb amputation
Week 14	Lecture 26: Musculoskeletal rehabilitation Lecture 27: Use of antibiotics in surgery, surgical infections
Finals week	Exam 2: Cumulative

## 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.

Students are expected to dress professionally and adhere to the departmental dress code for all 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 which may result in an "F" in the course and/or referral to the university.

## 10. Evaluation:

There will be 2 examinations for the course. The last exam will be cumulative. Grades for both exams will be averaged for a final grade. A 70% is required to pass. The format will be multiple choice, matching, or true/false and will relate to interpretation of provided images.

There will be no make-up exams! All exams must be taken at the scheduled time. Re-scheduling will be allowed only for serious, unavoidable circumstances (not for voluntary choices). If you miss an exam, you will receive a zero as your grade. If you have a conflict due to a university-sponsored event, you must notify the instructor prior to the exam with a confirmation letter from a university authority.

Grades will be calculated on a 100-point scale:

A/A+	93 - 100%
A-	90 - 92.9%
B+	87 - 89.9%
B	83 - 86.9%
B-	80 - 82.9%
C+	77 - 79.9%
C	70 - 76.9%
D	65 - 65.9%
F	<65%

Students are expected to dress professionally and adhere to the departmental dress code for all activities.

#### **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. 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 Disability Services at 474-5655 or [uaf-disabilityservices@alaska.edu](mailto:uaf-disabilityservices@alaska.edu).