

# Course Change Request

Date Submitted: 05/03/17 4:30 pm

Viewing: **VMID 935 : Surgery**

Last approved: 04/26/17 3:18 am

Last edit: 05/09/17 9:58 am

Changes proposed by: mlazo

Catalog Pages  
referencing this course

[VMID - Vet Medicine-Interdisc.](#)

Programs referencing  
this course

[DVM-VTMD: Doctor of Veterinary Medicine in Veterinary Medicine](#)

Faculty Senate Number FS.34.242

Contact(s)

Name	E-mail	Phone
Karen Cornell	kcornell@cvm.tamu.edu	979-845-3878

Rationale for Course

Edit

The proposed changes are to support major changes to an existing program.

Course prefix VMID Course number 935

Department College of Veterinary Medicine

College/School Veterinary Med &amp; Biomedical Sc

Academic Level Professional Veterinary  
MedicineAcademic Level  
(alternate)

Effective term 2017-2018 Professional

Complete Course Title  
SurgeryAbbreviated Course  
Title SURGERYCatalog course  
description

Essential skills needed to anesthetize and perform surgery on animals; focus on administering anesthesia, mastering techniques of abdominal exploratory and basic procedures involving the integumentary, gastrointestinal and urogenital systems.

Prerequisites and

Restrictions

Enrollment in the third year of professional DVM curriculum.

Concurrent Enrollment No

Should catalog  
prerequisites /  
concurrent enrollment  
be enforced?

Crosslistings No

Crosslisted With

## In Workflow

1. CLVM Department Head
2. Curricular Services Review
3. VM Committee Preparer PR
4. VM Committee Chair PR
5. VM College Dean PR
6. Faculty Senate Preparer
7. Faculty Senate
8. Provost II
9. President
10. Curricular Services
11. Banner

## Approval Path

1. 05/03/17 5:36 pm  
Kenita Rogers (k-rogers): Approved for CLVM Department Head
2. 05/10/17 5:48 pm  
Sandra Williams (sandra-williams): Approved for Curricular Services Review
3. 05/11/17 10:28 am  
Maria Macik (mlazo): Approved for VM Committee Preparer PR
4. 06/22/17 8:04 am  
Claudia Barton (c-barton15613): Approved for VM Committee Chair PR
5. 07/10/17 10:56 am  
Karen Cornell (kcornell): Approved for VM College Dean PR

## History

1. Apr 26, 2017 by Kristin Chaney (Kri5tin\_C\_lyc2ak)

Stacked	No	Stacked with								
Semester	4-5 5	Contact Hour(s)	Lecture:	2	Lab:	4-6 6	Other:	0	Total	4-8 8
Credit Hour(s)	(per week):									
Repeatable for credit?	No									
Three-peat?	No									
CIP/Fund Code	5124010011									
Default Grade Mode	Letter Grade (G)									
Alternate Grade Modes	Satisfactory/Unsatisfactory									
Method of instruction	Lecture and Laboratory									
Will this course be taught as a distance education course?	No									
Is 100% of this course going to be taught in Texas?	Yes									
Will classroom space be needed for this course?	Yes									

This will be a required course or an elective course for the following programs:

Required (select program)

Program(s)
(DVM-VTMD) Doctor of Veterinary Medicine in Veterinary Medicine

Elective (select program)

## Course Syllabus

Syllabus: Use course syllabus form

Meeting times and locations  
 Lecture: VENI 107B M 10-11:50 AM  
 Lab:  
 Group A, VICI 316 M 1-5:00 PM  
 Group B, VICI 316 W 1-5:00 PM  
 Group C, VICI 316 R 1-5:00 PM

Learning outcomes

### Learning Outcome

New Graduate Outcome 3: Anesthesia and pain management, patient welfare.

- The graduate will recognize the need for sedation and anesthesia and evaluate the pertinent patient information in order to formulate an appropriate anesthesia protocol in common domestic species.
- The graduate will apply an appropriate anesthesia protocol to induce, maintain, and recover patients from anesthesia following current veterinary medical standards for common domestic species.
- The graduate will recognize the clinical signs associated with pain in all common domestic species, assess the type of pain, classify the level of pain, formulate a pain management plan, and apply a

Learning Outcome				
therapy to effectively prevent and alleviate animal suffering and pain.				
New Graduate Outcome 4: Basic surgery skills, experience, and case management.				
<ul style="list-style-type: none"> <li>The graduate will safely, consistently, and effectively perform the core surgical skills required to successfully carry out any entry-level surgical procedure in common domestic species.</li> <li>The graduate will apply the standards of high-quality postoperative patient care in all common domestic species.</li> </ul>				
Instructor information				
Name	Phone	E-mail	Office hours	Office location
Carolyn Arnold	979-845-9038	carnold@cvm.tamu.edu	By appointment only.	FAC 215 Large Animal Hospital
Mark Stickney	979-845-9038	mstickney@cvm.tamu.edu	By appointment only.	Room 2036 Small Animal Hospital
Textbook and/or Resource Material		Course information, lecture materials, and readings will be posted on Moodle, which can be accessed at <a href="http://courses.tamuvet.org">http://courses.tamuvet.org</a> . Students are expected to stay up-to-date with postings on the course website.		
Grading scale		A = 90% or > B = 80 - 89.99% C = 70 - 79.99% D = 65 - 69.99% F = 64.99% or <		
Grading Policies				
Activity	Weight	How is grade determined	Additional work for graduate students	
Laboratory Performance	50%	Rubric; weekly assessment.		
Written Examination	30%	MCQ; 2 exams equal value.		
Collaboration / Teamwork	20%	Rubric; 10% peer-to-peer, 10% instructor-student.		
Attendance and Make-up Policies				
<i>University rules related to excused and unexcused absences are located on-line at <a href="#">Student Rule 7</a>.</i>				
<p>The College of Veterinary Medicine &amp; Biomedical Sciences Professional Student Handbook specifies that class attendance is an individual student responsibility, priority, and requirement. Students are required to attend all classes, laboratories, and clinical rotations, and to complete all assignments. Instructors are expected to give adequate notice of the dates on which major tests will be given and assignments will be due. Pop quizzes are given at the discretion of the instructor. Students may request excused or authorized absences according to the policies and definitions in the Handbook. The instructor is under no obligation to provide an authorized absence or the opportunity for the student to make up work missed because of an unexcused or unauthorized absence. For details on attendance policies and definitions, refer to the Professional Student Handbook. University rules related to excused and unexcused absences are located online at <a href="http://student-rules.tamu.edu/rule07">http://student-rules.tamu.edu/rule07</a>.</p>				
Should an exam or quiz be missed for an excused absence, a make-up exam will be provided. Excused absences should be documented through the Dean's Office according to CVM and University policy. Oral make up exams may be used. The student should contact the instructor upon return to classes to schedule the make-up exam.				
Course Topics, Calendar of Activities, Major Assignment Dates				
Week	Topic	Required readings	Assignment due date	Major exam date
1	Lecture: Abdominal exploratory and castration, Skin Incision Creation and Closure  Lab (Orientation): Rat handling, preparing the patient for surgery, scrubbing, gowning, packing packs, records, use of anesthetic machines			
2	Lecture: Abdominal exploratory and splenectomy, Elliptical skin defect with "V-Y" plasty  Lab: Abdominal exploratory and castration, Skin Incision Creation and Closure			
3	Lecture: Abdominal exploratory and nephrectomy, Elliptical skin defect with "Z" plasty			

Week	Topic	Required readings	Assignment due date	Major exam date
	Lab: Abdominal exploratory and splenectomy, Elliptical skin defect with "V-Y" plasty			
4	Lecture: Left Flank Exploratory Laparotomy and Rumenotomy Lab: Abdominal exploratory and nephrectomy, Elliptical skin defect with Z plasty			
5	Lecture: Right Flank Exploratory Laparotomy Lab: Left flank exploratory laparotomy and rumenotomy			
6	Lecture: Small Intestinal Resection and Anastomosis Lab: Right flank exploratory laparotomy			
7	Lecture: Right paramedian celiotomy and abomasopexy Lab: Small intestinal resection and anastomosis			Written Exam #1
8	Lecture: Kidney Biopsy, Ovariohysterectomy and Cystotomy, Liver biopsy Lab: Right paramedian celiotomy and abomasopexy			
9	Lecture: Ovariohysterectomy or Castration—Records/Technique Lab: Celiotomy, kidney biopsy			
10	Lecture: Early Age Neutering and current controversies Lab: OHE- other methods, special considerations			
11	Lecture: Scrotal ablation Lab: Ovariohysterectomy and cystotomy			
12	Lecture: Urethrostomy Lab: Ovariohysterectomy or Castration			
13	Lecture: Reconstructive surgery Lab: Ovariohysterectomy or Castration			
14	Lecture: Enucleations Lab: Ovariohysterectomy or Castration			
15	Lecture: Testicular and penile problems Lab: Canine scrotal ablation, enucleation			Written Exam #2

Please select the appropriate ADA statement for your location

Texas A&M University - Main Campus

#### Americans with Disabilities Act (ADA)

*The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information, visit <http://disability.tamu.edu>.*

#### Academic Integrity

*"An Aggie does not lie, cheat, or steal, or tolerate those who do."*  
For additional information please visit: <http://aggiehonors.tamu.edu>

Letters of support or  
other documentation

No ~~Yes~~

Additional information

**Effective term - 2017 - 2018. Changed to a variable credit-hour course ( 4 - 5 credit hours). This change is requested to enable students for this effective term to be registered at 5 credits and next term 2018 - 2019 under the newly approved curriculum, students will registered for this same course number at 4 credit hours.**

Reviewer Comments

**Sandra Williams (sandra-williams) (05/09/17 10:09 am):** Note: The change was submitted/approved last year (effective Fall 2017) to make this course (2-6) Credit 5. The college has determined their existing students need to continue taking the course as it was (2-4) Credit 4. To fix the problem, the course can be changed to variable, Credit 4 to 5 so that current and new students can take the course with the appropriate number of hours.

Reported to state?

Key: 15777

# Course Change Request

Date Submitted: 05/03/17 4:19 pm

Viewing: **VTPB 922 : Pathology I**

Last approved: 04/26/17 3:20 am

Last edit: 05/09/17 10:12 am

Changes proposed by: mlazo

Catalog Pages referencing this course  
[Department of Veterinary Pathobiology](#)  
[VPAT - Veterinary Pathology](#)  
[VTPB - Veterinary Pathobiology](#)

Programs referencing this course  
[DVM-VTMD: Doctor of Veterinary Medicine in Veterinary Medicine](#)

Faculty Senate Number FS.34.243

Contact(s)

Name	E-mail	Phone
Karen Cornell	kcornell@cvm.tamu.edu	979-845-3878

Rationale for Course

Edit

The proposed changes are to support major changes to an existing program.

Course prefix VTPB Course number 922

Department Veterinary Pathobiology

College/School Veterinary Med &amp; Biomedical Sc

Academic Level Professional Veterinary Medicine

Academic Level (alternate)

Effective term 2017-2018 Professional

Complete Course Title Pathology I

Abbreviated Course Title PATHOLOGY I

Catalog course description

Structural and functional changes in cells, tissues and organ systems of animals; pathogenesis, mechanisms and morphologic features of diseases and their relationship to clinical signs; laboratory consists of studies of gross and microscopic pathology.

Prerequisites and Restrictions

Enrollment in the first year of professional DVM curriculum.

Concurrent Enrollment No

Should catalog prerequisites / concurrent enrollment be enforced? No

Crosslistings No Crosslisted With

## In Workflow

1. VTPB Department Head
2. Curricular Services Review
3. VM Committee Preparer PR
4. VM Committee Chair PR
5. VM College Dean PR
6. Faculty Senate Preparer
7. Faculty Senate
8. Provost II
9. President
10. Curricular Services
11. Banner

## Approval Path

1. 05/03/17 5:10 pm  
Ramesh Vemulapalli (rvemulapalli):  
Approved for VTPB Department Head
2. 05/10/17 5:50 pm  
Sandra Williams (sandra-williams):  
Approved for Curricular Services Review
3. 05/11/17 10:29 am  
Maria Macik (mlazo):  
Approved for VM Committee Preparer PR
4. 06/22/17 8:05 am  
Claudia Barton (c-barton15613):  
Approved for VM Committee Chair PR
5. 07/10/17 10:56 am  
Karen Cornell (kcornell):  
Approved for VM College Dean PR

## History

1. Apr 26, 2017 by Kristin Chaney (Kri5tin\_C\_lyc2ak)

Stacked	No	Stacked with				
Semester Credit Hour(s)	<b>3-6 3</b>	Contact Hour(s) (per week):	Lecture: <b>2-5 2</b>	Lab: 2	Other: 0	Total <b>2-7 4</b>
Repeatable for credit?	No					
Three-peat?	No					
CIP/Fund Code	5124010011					
Default Grade Mode	Letter Grade (G)					
Alternate Grade Modes	Satisfactory/Unsatisfactory					
Method of instruction	Lecture and Laboratory					
Will this course be taught as a distance education course?	No					
Is 100% of this course going to be taught in Texas?	Yes					
Will classroom space be needed for this course?	Yes					

This will be a required course or an elective course for the following programs:

Required (select program)

Program(s)
(DVM-VTMD) Doctor of Veterinary Medicine in Veterinary Medicine

Elective (select program)

## Course Syllabus

Syllabus: Use course syllabus form

Meeting times and locations  
 Lecture: VENI 106A, WF 11-11:50 AM  
 Lab: VICI 321 / VICI 128A, T 1-2:50 PM (Group B), T 3-4:50 PM (Group A)

Learning outcomes

### Learning Outcome

- New Graduate Outcome 1.1: The graduate will obtain patient signalment, history, and physical examination and formulate a problem list and differential diagnoses based upon their findings for individual or groups of common domestic species.
- The student will interpret focused history to identify body system(s) involved etiopathogenesis.
  - The student will differentiate normal from abnormal physical exam parameters.
  - The student will create a differential diagnosis list at the level of body system.
- New Graduate Outcome 4.2: The graduate will select appropriate surgical interventions, based upon the identification of pathologic conditions and the evaluation of patient conditions, to treat surgical problems in common domestic species.
- The student will identify pathologic conditions and abnormal anatomical presentations that may be managed with surgical intervention.
- New Graduate Outcome 5.2: The graduate will formulate and implement appropriate medical treatment plans based upon patient findings to address the acute and long-term needs in all common domestic species. • The student will recognize and explain abnormal patient findings in common domestic species.

<b>Learning Outcome</b>				
<ul style="list-style-type: none"> <li>The student will explain abnormal physiological processes that may require medical treatment.</li> </ul>				
<p>New Graduate Outcome 6.3: The graduate will recognize patient conditions that require intensive care, appraise the level of care required, and implement appropriate treatment protocols, including managing the transfer or referral of a patient to another facility when indicated.</p> <ul style="list-style-type: none"> <li>The student will recognize the pathophysiologic processes associated with patients in critical care.</li> </ul>				
<p>New Graduate Outcome 7.2: The graduate will design and implement preventive programs, encompassing biosecurity and animal husbandry, to improve the health and well-being of individual animals and animal populations.</p> <ul style="list-style-type: none"> <li>The student will describe common pathogens of animals and their potential impact on animal health.</li> </ul>				
<p>New Graduate Outcome 7.3: The graduate will recognize the potential for zoonoses and communicate evidence-based recommendations to clients and the healthcare team to minimize the risk of zoonotic disease transmission.</p> <ul style="list-style-type: none"> <li>The student will explain pathogenesis associated with common zoonotic diseases.</li> </ul>				
Instructor information				
Name	Phone	E-mail	Office hours	Office location
Brian F. Porter	979-847-8541	bporter@cvm.tamu.edu	By appointment only.	Office 126 VAP
Textbook and/or Resource Material	Course information, lecture materials, and readings will be posted on Moodle, which can be accessed at <a href="http://courses.tamuvet.org">http://courses.tamuvet.org</a> . Students are expected to stay up-to-date with postings on the course website.			
Grading scale	Point Range Grade 435 to 485 A 386 to 434 B 338 to 385 C 313 to 337 D less than 313 F			
Grading Policies				
Activity	Weight	How is grade determined	Additional work for graduate students	
Exam 1	100 points	MCQ		
Exam 2	100 points	MCQ		
Exam 3	100 points	MCQ		
Exam 4	140 points	MCQ (administered during final exam week)		
Laboratory Quizzes	45 points	Short answer (15 labs @ 3 points each)		
Attendance and Make-up Policies				
<p><i>University rules related to excused and unexcused absences are located on-line at <a href="#">Student Rule 7</a>.</i></p> <p>The College of Veterinary Medicine &amp; Biomedical Sciences Professional Student Handbook specifies that class attendance is an individual student responsibility, priority, and requirement. Students are required to attend all classes, laboratories, and clinical rotations, and to complete all assignments. Instructors are expected to give adequate notice of the dates on which major tests will be given and assignments will be due. Pop quizzes are given at the discretion of the instructor. Students may request excused or authorized absences according to the policies and definitions in the Handbook. The instructor is under no obligation to provide an authorized absence or the opportunity for the student to make up work missed because of an unexcused or unauthorized absence. For details on attendance policies and definitions, refer to the Professional Student Handbook. University rules related to excused and unexcused absences are located online at <a href="http://student-rules.tamu.edu/rule07">http://student-rules.tamu.edu/rule07</a>.</p> <p>Should an exam or quiz be missed for an excused absence, a make-up exam will be provided. Excused absences should be documented through the Dean's Office according to CVM and University policy. Oral make up exams may be used. The student should contact the instructor upon return to classes to schedule the make-up exam.</p>				
Course Topics, Calendar of Activities, Major Assignment Dates				
Week	Topic	Required readings	Assignment due date	Major exam date
1	Lab Cell Injury Lecture 1 Cell Injury Lecture 2 Cell Injury		Lab quiz	



Week	Topic	Required readings	Assignment due date	Major exam date
2	Lab Cell Injury Lecture 1 Circulatory Disorders Lecture 2 Circulatory Disorders		Lab quiz	
3	Lab Circulatory Disorders Lecture 1 Inflammation Lecture 2 Inflammation		Lab quiz	
4	Lab Inflammation Lecture 1 Inflammation Lecture 2 Inflammation		Lab quiz	EXAM #1
5	Lab Inflammation/Tissue Repair Lecture 1 Tissue Repair Lecture 2 Immune-mediated Disorders		Lab quiz	
6	Lab Neoplasia Lecture 1 Neoplasia Lecture 2 Neoplasia		Lab quiz	
7	Lab Neoplasia Lecture 1 Neoplasia Lecture 2 Neoplasia		Lab quiz	
8	Lab Respiratory System Lecture 1 Respiratory System Lecture 2 Respiratory System		Lab quiz	EXAM #2
9	Lab Respiratory System Lecture 1 Musculoskeletal System Lecture 2 Musculoskeletal System		Lab quiz	
10	Lab Musculoskeletal System Lecture 1 Musculoskeletal System Lecture 2 Musculoskeletal System		Lab quiz	
11	Lab Musculoskeletal System Lecture 1 Reproductive System Lecture 2 Reproductive System		Lab quiz	
12	Lab Reproductive System Lecture 1 Reproductive System Lecture 2 Reproductive System		Lab quiz	EXAM #3
13	Lab Reproductive System Lecture 1 Eye Lecture 2 Eye		Lab quiz	
14	Lab Eye Lecture 1 Lymphoid System Lecture 2 Lymphoid System		Lab quiz	
15	Lab Lymphoid System Lecture 1 Course Review Lecture 2 Course Review		Lab quiz	

Please select the appropriate ADA statement for your location

Texas A&M University - Main Campus

Americans with Disabilities Act (ADA)

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Academic Integrity

*"An Aggie does not lie, cheat, or steal, or tolerate those who do."*

For additional information please visit: <http://aggiehonor.tamu.edu>

Letters of support or  
other documentation

No ~~Yes~~

Additional information

**Effective term - 2017 - 2018. Changed to a variable credit-hour course ( 3 - 6 credit hours). This change is requested to enable students for this effective term to be registered at 6 credits, and next term 2018 - 2019 under the newly approved curriculum, students will registered for this same course number at 3 credit hours.**

Reviewer Comments

**Sandra Williams (sandra-williams) (05/09/17 10:13 am):** Note: The change was submitted/approved last year (effective Fall 2017) to make this course (2-6) Credit 5. The college has determined their existing students need to continue taking the course as it was (2-4) Credit 4. To fix the problem, the course can be changed to variable, Credit 4 to 5 so that current and new students can take the course with the appropriate number of hours.

**Sandra Williams (sandra-williams) (05/09/17 10:20 am):** CORRECTION to Note: The change was submitted/approved last year (effective Fall 2017) to make this course (2-2) Credit 3. The college has determined their existing students need to continue taking the course as it was (5-2) Credit 6. To fix the problem, the course can be changed to variable, Credit 3 to 6 so that current and new students can take the course with the appropriate number of hours.

Reported to state?

Key: 16182

# Course Change Request

Date Submitted: 05/03/17 4:12 pm

Viewing: **V TTP 924 : Pharmacology**

Last approved: 04/26/17 3:20 am

Last edit: 05/10/17 5:54 pm

Changes proposed by: mlazo

Catalog Pages referencing this course [Department of Veterinary Physiology and Pharmacology](#)  
[V TTP - Vet Physiology & Pharm.](#)

Programs referencing this course [DVM-VTMD: Doctor of Veterinary Medicine in Veterinary Medicine](#)

Faculty Senate Number FS.34.243

Contact(s)

Name	E-mail	Phone
Karen Cornell	kcornell@cvm.tamu.edu	979-845-3878

Rationale for Course

Edit

The proposed changes are to support major changes to an existing program.

Course prefix V TTP Course number 924

Department Vet Physiology &amp; Pharmacology

College/School Veterinary Med &amp; Biomedical Sc

Academic Level Professional Veterinary  
MedicineAcademic Level  
(alternate)

Effective term 2017-2018 Professional

Complete Course Title  
PharmacologyAbbreviated Course  
Title PHARMACOLOGYCatalog course  
description

Drug disposition, pharmacodynamics, drug regulations, critical appraisal of evidence about use of drugs, drugs that affect respiratory, reproductive, gastrointestinal, endocrine, immune, urinary, integumentary, cardiovascular, musculoskeletal, and nervous systems, and drugs for pain, anti-inflammatories, antineoplastics, antibiotics, and other antiinfectives in animals.

Prerequisites and  
Restrictions

Enrollment in the second year of professional DVM curriculum.

Concurrent Enrollment No

Should catalog  
prerequisites /  
concurrent enrollment  
be enforced?

Crosslistings No Crosslisted With

## In Workflow

1. V TTP Department Head
2. Curricular Services Review
3. VM Committee Preparer PR
4. VM Committee Chair PR
5. VM College Dean PR
6. Faculty Senate Preparer
7. Faculty Senate
8. Provost II
9. President
10. Curricular Services
11. Banner

## Approval Path

1. 05/05/17 4:14 pm  
Larry J. Suva (larry-suva): Approved for V TTP Department Head
2. 05/10/17 5:57 pm  
Sandra Williams (sandra-williams): Approved for Curricular Services Review
3. 05/11/17 10:29 am  
Maria Macik (mlazo): Approved for VM Committee Preparer PR
4. 06/22/17 8:05 am  
Claudia Barton (c-barton15613): Approved for VM Committee Chair PR
5. 07/10/17 10:56 am  
Karen Cornell (kcornell): Approved for VM College Dean PR

## History

1. Apr 26, 2017 by Kristin Chaney (Kri5tin\_C\_lyc2ak)

Stacked	No	Stacked with				
Semester Credit Hour(s)	<b>3-5 3</b>	Contact Hour(s) (per week):	Lecture: <b>3-4 3</b>	Lab: <b>0-2 0</b>	Other: 0	Total <b>3-6 3</b>
Repeatable for credit?	No					
Three-peat?	No					
CIP/Fund Code	5124010011					
Default Grade Mode	Letter Grade (G)					
Alternate Grade Modes	Satisfactory/Unsatisfactory					
Method of instruction	Lecture <b>Lecture and Laboratory</b>					
Will this course be taught as a distance education course?	No					
Is 100% of this course going to be taught in Texas?	Yes					
Will classroom space be needed for this course?	Yes					

This will be a required course or an elective course for the following programs:

Required (select program)

Program(s)
(DVM-VTMD) Doctor of Veterinary Medicine in Veterinary Medicine

Elective (select program)

## Course Syllabus

Syllabus: Use course syllabus form

Meeting times and locations	VENI 106A - MWF 11:00 – 11:50 AM
Learning outcomes	<p style="text-align: center;"><b>Learning Outcome</b></p> <p>The student will be able to explain and perform a structured decision-making process for potential drugs to resolve or minimize physiological or infectious manifestations of disease in common domestic species of animals. The competencies or learning outcomes underpinning the ability to explain and perform the drug decision-making process are:</p> <p><b>New Graduate Outcome 2.1</b> The graduate will formulate a comprehensive therapeutic plan for medical and surgical problems based upon their diagnosis for common domestic species.</p> <ul style="list-style-type: none"> <li>• The student can investigate and evaluate available therapeutic options for a given disease/diagnosis in terms of potential benefits and risks</li> <li>• The student can evaluate pre-formulated treatment plan in a clinical scenario</li> </ul> <p><b>New Graduate Outcome 3.1</b> The graduate will recognize the need for sedation, anesthesia and analgesia and evaluate the pertinent patient information in order to formulate an appropriate anesthesia protocol in common domestic species.</p> <ul style="list-style-type: none"> <li>• The student can recognize causes of pain and the need for sedation/anesthesia/analgesia</li> <li>• The student can formulate and justify sedation/anesthesia/analgesia protocol for a healthy patient in a clinical scenario</li> <li>• The student can describe considerations for co-morbidities on sedation/anesthesia/analgesia protocols in a clinical scenario</li> </ul>

<b>Learning Outcome</b>				
<p><b>New Graduate Outcome 3.3</b> The graduate will recognize the clinical signs associated with pain in all common domestic species, assess the type of pain, classify the level of pain, formulate a pain management plan, and apply a therapy to prevent and alleviate animal suffering and pain.</p> <ul style="list-style-type: none"> <li>• The student can formulate and justify pain management plan in a clinical scenario</li> </ul>				
<p><b>New Graduate Outcome 5.2</b> The graduate will formulate and implement medical treatment and prevention plans to address the acute and long-term needs in all common domestic species.</p> <ul style="list-style-type: none"> <li>• The student can explain abnormal physiological processes that may require medical treatment</li> <li>• The student can identify treatment options based on patient findings</li> <li>• The student can identify interventions associated with the emergent patient</li> </ul>				
<p><b>New Graduate Outcome 6.2</b> The graduate will apply a treatment plan to stabilize a patient in critical condition, and perform emergency procedures.</p> <ul style="list-style-type: none"> <li>• The student can develop a stabilization plan for an emergent patient</li> </ul>				
<p><b>New Graduate Outcome 7.5</b> The graduate will apply knowledge of common foodborne pathogens to promote and maintain a safe food supply.</p> <ul style="list-style-type: none"> <li>• The student can formulate drug treatment plans in clinical scenarios that support the judicious use of pharmaceuticals (drug residue, withdrawal times, antimicrobial resistance)</li> <li>• The student can apply knowledge of chemical and physical adulterants in a clinical scenario</li> </ul>				
<p><b>New Graduate Outcome 8.2</b> The graduate will demonstrate professional conduct.</p> <ul style="list-style-type: none"> <li>• The student can demonstrate professional conduct</li> <li>• The student can recognize inappropriate behavior and suggest possible corrective actions</li> </ul>				
<p><b>New Graduate Outcome 9.1</b> The graduate will identify, review, and critically evaluate biomedical literature and apply it to the practice of contemporary, evidence-based veterinary medicine.</p> <ul style="list-style-type: none"> <li>• The student can formulate a relevant question to address a personal knowledge gap and utilize appropriate resources to address it</li> <li>• The student can critically appraise the relevant information and published evidence by applying knowledge of study design</li> <li>• The student can evaluate a clinical scenario using the methodology of evidence-based veterinary medicine</li> </ul>				
<p><b>New Graduate Outcome 12.1</b> The graduate will recognize the legal responsibilities of the veterinarian in relation to patients, clients, society, and the environment and operate within these professional parameters.</p> <ul style="list-style-type: none"> <li>• The student can recognize the legal responsibilities of the veterinarian in relation to patients, clients, society, and the environment in a clinical scenario</li> </ul>				
<p><b>New Graduate Outcome 13.3</b> The graduate will determine when euthanasia is an appropriate option for a patient, or population. Effectively communicate the option with owners, and describe how to perform euthanasia.</p> <ul style="list-style-type: none"> <li>• The student can describe ethical methods of euthanasia</li> <li>• The student can identify resources available for clients regarding euthanasia</li> <li>• The student can explain AVMA-approved methods of euthanasia</li> </ul>				
Instructor information				
Name	Phone	E-mail	Office hours	Office location
Virginia Fajt	979-845-7299	vfajt@cvm.tamu.edu	TBD	VBEC - VID1
Textbook and/or Resource Material	Course information, lecture materials, and readings will be posted on Moodle, which can be accessed at <a href="http://courses.tamuvet.org">http://courses.tamuvet.org</a> . Students are expected to stay up-to-date with postings on the course website.			
Grading scale	A = 90% or > B = 80 - 89.99% C = 70 - 79.99% D = 65 - 69.99% F = 64.99% or <			
Grading Policies				
Activity	Weight	How is grade determined	Additional work for graduate students	
Quizzes	40%	13 quizzes (randomly administered, drop 2 lowest)		
Written assignments	20%	Rubric		
Exams	40%	MCQ (3 semester exams, 1 final exam, Week 16)		

## Attendance and Make-up Policies

University rules related to excused and unexcused absences are located on-line at [Student Rule 7](#).

The College of Veterinary Medicine & Biomedical Sciences Professional Student Handbook specifies that class attendance is an individual student responsibility, priority, and requirement. Students are required to attend all classes, laboratories, and clinical rotations, and to complete all assignments. Instructors are expected to give adequate notice of the dates on which major tests will be given and assignments will be due. Pop quizzes are given at the discretion of the instructor. Students may request excused or authorized absences according to the policies and definitions in the Handbook. The instructor is under no obligation to provide an authorized absence or the opportunity for the student to make up work missed because of an unexcused or unauthorized absence. For details on attendance policies and definitions, refer to the Professional Student Handbook. University rules related to excused and unexcused absences are located online at <http://student-rules.tamu.edu/rule07>.

Should an exam or quiz be missed for an excused absence, a make-up exam will be provided. Excused absences should be documented through the Dean's Office according to CVM and University policy. Oral make up exams may be used. The student should contact the instructor upon return to classes to schedule the make-up exam.

## Course Topics, Calendar of Activities, Major Assignment Dates

Week	Topic	Required readings	Assignment due date	Major exam date
1	Introduction to drug decision-making and basic concepts of drug delivery, disposition, adverse effects, drug regulations, and critical appraisal and application of evidence to drug decision-making			
2	Reproductive drugs, respiratory drugs, introduction to antimicrobial drugs			
3	Gastrointestinal drugs			
4	Drugs that work on the endocrine and immune systems, and anti-inflammatories			Exam 1
5	Drugs for pain			
6	Drugs for pain and euthanasia		Written Assignment #1	
7	Cardiovascular drugs			
8	Cardiovascular drugs			Exam 2
9	Drugs for urinary and musculoskeletal systems			
10	More concepts of legal and ethical requirements			
11	Drugs that work on the central and peripheral nervous systems			
12	Drugs that work on the central and peripheral nervous systems			Exam 3
13	Antineoplastics and antiinfectives			
14	Drugs affecting the skin and the eye		Written Assignment #2	
15	Professional behavior, more concepts of drug disposition and evidence-based approaches to drug decision-making			

Please select the appropriate ADA statement for your location

Texas A&M University - Main Campus

## Americans with Disabilities Act (ADA)

*The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact Disability Services, currently located in the Disability Services building at the Student Services at White Creek complex on west campus or call 979-845-1637. For additional information, visit <http://disability.tamu.edu>.*

## Academic Integrity

*"An Aggie does not lie, cheat, or steal, or tolerate those who do."*  
For additional information please visit: <http://aggiehonor.tamu.edu>

Letters of support or **No Yes**

other documentation

Additional information

**Effective term - 2017 - 2018. Changed to a variable credit-hour course ( 3 - 5 credit hours). This change is requested to enable students for this effective term to be registered at 5 credits and next term 2018 - 2019 under the newly approved curriculum, students will registered for this same course number at 3 credit hours.**

Reviewer Comments

**Sandra Williams (sandra-williams) (05/10/17 5:57 pm):** Note: The change was submitted/approved last year (effective Fall 2017) to make this course (3-0) Credit 3. The college has determined their existing students need to continue taking the course as it was (4-2) Credit 5. To fix the problem, the course can be changed to variable, Credit 3 to 5 so that current and new students can take the course with the appropriate number of hours.

Reported to state?

Key: 16380