



Course Specification of Veterinary Anesthesia

I. Course Identification and General Information:						
1	Course Title:	Veterinary Anesthesia				
2	Course Number & Code:	SR481				
3	Credit hours:	C.H				Total
		Theoretical	Practical	Training	Seminar	
		1	1			2
4	Study level/ semester at which this course is offered:	Fourth Year – Frist Semester				
5	Pre –requisite (if any):	PH242, PH243				
6	Co –requisite (if any):					
7	Program (s) in which the course is offered:	Bachelor of Veterinary Medicine				
8	Language of teaching the course:	English language				
9	Location of teaching the course:	Faculty of Veterinary Medicine				
10	Prepared by:	Dr. Aref saleh mohammed abdulmghni Dr. Saleh Ahmed Mohammed Ali Alomaisi				
11	Date of approval:					

II. Course description:

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 Dr. Abdu Alraoof Al-

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 Dr. Abdulrahman Alkhami

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Knowledge about different methods of anesthesia in different animals which suitable for the surgical operations.

Knowledge about different routes of drug administration of anesthesia.

Knowledge about different types of preanesthetic medication

III. Intended learning outcomes (ILOs) of the course:			
(A) Knowledge and Understanding:			
Alignment of Course Intended Learning Outcomes (CILOs) to Program Intended Learning Outcomes (PILOs) in: Knowledge and Understanding.			
Program Intended Learning Outcomes (Sub- PILOs) in: Knowledge and Understanding		Course Intended Learning Outcomes (CILOs) in: Knowledge and Understanding	
After completing this program, students will be able to:		After completing this course, students will be able to	
A1-	Demonstrate a sound knowledge and understanding of concepts and principles of general culture, basic science, and that support veterinary medicine.	a1-	Explain the general and local of anesthesia , factors affecting anesthesia.
A4	Describes the foundations and procedural steps for treating all diseases that affect different animals, highlighting the medical conditions that need surgical interventions.	a2-	Identify the different methods of anesthesia and suitable technique for different animals
Teaching And Assessment Methods For Achieving Learning Outcomes:			
Alignment of Learning Outcomes of Knowledge and Understanding to Teaching and Assessment Methods:			

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Course Intended Learning Outcomes (CILOs) in Knowledge and Understanding		Teaching strategies/methods to be used	Methods of assessment
completing this course, students will be able to:		1-Interactive lectures (Brain storming, seminars, discussion). 2-Practical lessons in dissecting room 3- Self learning followed by active learning (beer article and discussion in group). 4- Audiovisual aids materials. 5- Students presentations	Written exam -Practical exam -Oral exam - Quizzes - Report assignments - Discussion
a1-	Explain the general and local of anesthesia , factors affecting anesthesia.		
a2-	Identify the different methods of anesthesia and suitable technique for different animals		

(B) Intellectual Skills:

Alignment of Course Intended Learning Outcomes (CILOs) to Program Intended Learning Outcomes (PILOs) in: Intellectual skills			
Program Intended Learning Outcomes (Sub- PILOs) in Intellectual skills		Course Intended Learning Outcomes (CILOs) of Intellectual Skills	
After completing this program, students will be able to:		After completing this course, students will be able to:	
B1	Competently practices analytical and critical thinking skills in studying and assessing health problems and reading the results of animal medical examinations and in related sciences.	b1-	Deal with clinical cases and to know differential diagnosis between surgical affections causing lameness.

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B2	Predicts an appropriate medical diagnosis for the most common disease states through analysis of clinical story data and the results of medical examinations of sick animal.	b2-	Evaluate the outcome of the surgery regarding cost/ benefit ratio
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Teaching And Assessment Methods For Achieving Learning Outcomes:

Alignment of Learning Outcomes of Intellectual Skills to Teaching Methods and Assessment Methods:

Course Intended Learning Outcomes (CILOs) in Intellectual Skills.		Teaching strategies/methods to be used	Methods of assessment
After completing this course, students will be able to:			
b1-	Deal with clinical cases and to know differential diagnosis between surgical affections causing lameness.	1-Interactive lectures (Brain storming, seminars, discussion). 2-Practical lessons in dissecting room 3- Self learning followed by active learning (beer article and discussion in group). 4- Audiovisual aids materials. 5- Students presentations	Written exam -Practical exam -Oral exam - Quizzes - Report assignments - Discussion
b2-	Evaluate the outcome of the surgery regarding to the cost/ benefit ratio		

(C) Professional and Practical Skills:

Alignment of Course Intended Learning Outcomes (CILOs) to Program Intended Learning Outcomes (PILOs) in: Professional and Practical Skills

Program Intended Learning Outcomes (Sub- PILOs) in Professional and Practical Skills	Course Intended Learning Outcomes (CILOs) in Professional and Practical Skills
After completing this program, students will be able to:	After completing this course, students will be able to:

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C3	Reads the results of laboratory investigations and diagnostic scans and writes reports and prescriptions for all common cases in a proper way.	c1	Perform different techniques for surgical operations and site of incision and position according to type of animal.
C4	Treats of animal patients safely and effectively taking into account the evaluation of the results, the appropriate modification of the treatment plan and the accurate description of the appropriate medications.	c2	Determination of the accurate dose from anesthetic drugs according to weight of animal

Teaching And Assessment Methods For Achieving Learning Outcomes:

Alignment of Learning Outcomes of Professional and Practical Skills to Teaching and Assessment Methods:

Course Intended Learning Outcomes (CILOs) in Professional and Practical Skills		Teaching strategies/methods to be used	Methods of assessment
After completing this course, students will be able to:		1-Interactive lectures (Brain storming, seminars, discussion). 2-Practical lessons in dissecting room 3- Self learning followed by active learning (beer article and discussion in group). 4- Audiovisual aids materials. 5- Students presentations	Written exam -Practical exam -Oral exam - Quizzes - Report assignments - Discussion
c1-	Perform different techniques for surgical operations and site of incision and position according to type of animal.		
c4	Determination of the accurate dose from anesthetic drugs according to weight of animal		

(D) General / Transferable Skills:

Alignment of Course Intended Learning Outcomes (CILOs) to Program Intended Learning Outcomes (PILOs) in: General and Transferable skills	
Program Intended Learning Outcomes (PILOs) in General / Transferable skills	Course Intended Learning Outcomes (CILOs) in General Transferable skills

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After completing this program, students will be able to:		After completing this course, students will be able to:	
D1-	Communicates effectively with Professional colleagues and animal owners and expresses his ideas clearly and objectively.	d1-	Work in a team group and work under pressure or contradictory conditions.
D2	Develops his scientific, professional and research capabilities and follow what is emerging in his field of specialization and using computer applications and information and communication technology.	d2	Collect of data about different surgical affections its treatment from the internet and journal.

Teaching And Assessment Methods For Achieving Learning Outcomes:

Alignment of Learning Outcomes of General and Transferable skills to Teaching and Assessment Methods

Course Intended Learning Outcomes (CILOs) in General and Transferable Skills		Teaching strategies/methods to be used	Methods of assessment
After completing this course, students will be able to:		1-Interactive lectures (Brain storming, seminars, discussion). 2-Practical lessons in dissecting room 3- Self learning followed by active learning (beer article and discussion in group). 4- Audiovisual aids materials. 5- Students presentations	Written exam -Practical exam -Oral exam - Quizzes - Report assignments - Discussion
d1-	Work in a team group and work under pressure and / or contradictory conditions.		
d2-	Collect of data about different surgical affections and its treatment from the internet and journal.		

I. Course Content:

1 – Course Topics/Items:

a – Theoretical Aspect

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Order	Topic List / Units	CLOs (symbols)	Sub-topic List	Number of weeks	Contact hours
1	Preanaesthetic medications	a1- a2-b1- b2- c1- c2 -d2	Definition , -Classification	1	1
2	Local anesthetic drugs	a1- a2-b1- b2- c1- c2 -d2	Definition , -Classification	2	1
3	Local anesthesia	a1- a2-b1- b2- c1- c2 -d2	Definition , -Classification	3	1
4	Regional anesthesia	a1- a2-b1- b2- c1- c2 -d2	Definition , -Classification	4	1
5	Regional anesthesia	a1- a2-b1- b2- c1- c2 -d2	Definition , -Classification	5	1
6	Regional anesthesia	a1- a2-b1- b2- c1- c2 -d2	Definition , -Classification	6	1
7	Spinal analgesia	a1- a2-b1- b2- c1- c2 -d2	Definition , -Classification	7	1
8	Basal narcosis	a1- a2-b1- b2- c1- c2 -d2	Definition , -Classification	8	1
9	General anesthesia	a1- a2-b1- b2- c1- c2 -d2	Definition , -Classification	9	1
10	Basal narcosis	a1- a2-b1- b2- c1- c2 -d2	Definition , -Classification	10	1

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11	General anesthesia	a1- a2-b1- b2- c1- c2 -d2	Definition , -Classification	11	1
12	General anesthetic drugs	a1- a2-b1- b2- c1- c2 -d2	Definition , -Classification	12	1
13	General anesthetic machines	a1- a2-b1- b2- c1- c2 -d2	Definition , -Classification	13	1
14	Breathing systems	a1- a2-b1- b2- c1- c2 -d2d3- d4	Definition , -Classification	14	1
Number of Weeks /and Units Per Semester				14	14

b- Training Aspect:				
Order	Training Tasks	CILOs (symbols)	Number of weeks	Contact hours
1	Routes of drug administration	a1- a2-b1- b2- c1- c2 -d2	1	2
2	Preanaesthetic medications	a1- a2-b1- b2- c1- c2 -d2	1	2
3	Local anesthetic drugs	a1- a2-b1- b2- c1- c2 -d2	1	2

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4	Methods of producing local analgesia	a1- a2-b1- b2- c1- c2 -d2	1	2
5	Nerve block of the head	a1- a2-b1- b2- c1- c2 -d2	1	2
6	Nerve block of the limb	a1- a2-b1- b2- c1- c2 -d2	1	2
7	Paravertebral nerve block	a1- a2-b1- b2- c1- c2 -d2	1	2
8	Spinal analgesia	a1- a2-b1- b2- c1- c2 -d2	1	2
9	Basal narcosis	a1- a2-b1- b2- c1- c2 -d2	1	2
10	General anesthetic drugs	a1- a2-b1- b2- c1- c2 -d2	1	2
11	General anesthetic drugs	a1- a2-b1- b2- c1- c2 -d2	1	2
12	General anesthetic drugs	a1- a2-b1- b2- c1- c2 -d2	1	2
13	Procedures and equipment of general anesthesia	a1- a2-b1- b2- c1- c2 -d2	1	2
14	Procedures and equipment of general anesthesia	a1- a2-b1- b2- c1- c2 -d2	1	2

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Number of Weeks /and Units Per Semester	14	28
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I. Teaching strategies of the course:
1-Interactive lectures (Brain storming, seminars, discussion). 2-Practical lessons in dissecting room 3- Self learning followed by active learning (beer article and discussion in group). 4- Audiovisual aids materials. 5- Students presentations
3-Assessment Methods:
1-Practical exam 2-Oral exam 3- Quizzes 4- Report assignments 5- Discussion 6- Written exam

II. Schedule of Assessment Tasks for Students During the Semester:					
No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment	Aligned Course Learning Outcomes (CILOs symbols)
1	Participation and quizzes and Assignments	2-14	10	10%	a1- a2-b1- b2- c1- c2 -d2
2	Mid-Term Exam	8	10	10%	a1- a2-b1- b2- c1- c2

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3	Mid-Term Practical Exam	8	10	10%	a1- a2-b1- b2- c1- c2
4	Final Practical Exam	15	10	10%	a1- a2-b1- b2- c1- c2
5	Oral Exam	16	5	5%	a1- a2-b1- b2- c1- c2
6	Final Exam	16	55	55%	a1- a2-b1- b2- c1- c2
Total		100	100%		

III. Students' Support:	
Office Hours/week	Other Procedures (if any)
Saturday-Wednesday from 8:00 a.m.-2 p.m.	Student can contact me via email

IV. Learning Resource (MLA style or APA style)S:	
Required Textbook(s) (maximum two)	
	<ul style="list-style-type: none"> • Veterinary Anesthesia for 1st Semester, Dept. Staff member 2010 • General Surgery for 2nd Semester, Dept. Staff member 2010 • Department course of veterinary anesthesia.
Recommended Readings and Reference Materials	
	<ul style="list-style-type: none"> • Slater (1993): Textbook of Small Animal Surgery, W.B. Saunders. • Geonnor, G.G. (2005): Dollar's Veterinary Surgery.
Essential References	
Electronic Materials and Web Sites etc.	
	Veterinary surgery8m.com

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	Veterinary videos.com
1- Other Learning Material:	
	-
X. Course Policies:	
1	Class Attendance: MANDATORY TO ATTEND ALL COURSE LECTURES
2	Tardiness: Not allowed at all. Students must be in class or in the practical session 10 minutes prior to the beginning of lectures or practical session
3	Exam Attendance/Punctuality: Attendance is mandatory; absence is accepted with valid excuse
4	Assignments & Projects: All assignments and projects are to be submitted on their due date. Any assignment turned in after the due date will not be accepted without valid and reasonable excuse
5	Cheating: Not tolerated and may lead to EXPELLING the student from the program
6	Plagiarism: Not tolerated AT ALL and may lead to EXPELLING the student from the program
7	Other policies: <ol style="list-style-type: none"> 1. All devices must be on silent or at least on vibration during lectures/labs 2. Before any exam (written, oral) we must check student's identity (student's card, ID, passport). Without any of these documents, the student will not be allowed in the exam room. 3. Any of type/ form of cheating is not allowed no matter what. 4. Maintain silence during lectures/exam and disturbance is not allowed. For any questions students should raise their hand and wait for permission to talk.

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Course Plan of Veterinary Anesthesia

X. - Information about Faculty Member Responsible for the Course:								
Name of Faculty Member	Dr-Aref Saleh Mohammed Abdulmughni,		Office Hours					
Location & Telephone No.	Dhamar university Mobile: +967774501741		SAT	SUN	MON	TUE	WED	THU
E-mail	areef2000@yahoo.com							

XI. Course Identification and General Information:	
1	Course Title: Veterinary Anesthesia
2	Course Number & Code: SR481
3	Credit hours: C.H

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		Theoretical	Practical	Training	Seminar	Total
		1	1			2
4	Study level/year at which this course is offered:	Fourth Year - Second Semester				
5	Pre –requisite (if any):	PH242,PH243				
6	Co –requisite (if any):	None				
7	Program (s) in which the course is offered	Bachelor of Veterinary Medicine				
8	Language of teaching the course:	English				
9	System of Study:	Regular / Semester				
10	Mode of delivery:	Lectures and Practical				
11	Location of teaching the course:	Faculty of Veterinary Medicine Building				

II. Course Description:
 Knowledge about different methods of anesthesia in different animals which suitable for the surgical operations. Knowledge about different routes of drug administration of anesthesia. Knowledge about different types of preanesthetic medication

II. Intended learning outcomes (ILOs) of the course:

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After completing this course, students will be able to:

- a1- Explain the general and local of anesthesia , factors affecting anesthesia.
- a2- Identify the different methods of anesthesia and suitable technique for different anima
- b1- Deal with clinical cases and to know differential diagnosis between surgical affections causing lameness .
- b2- Evaluate the outcome of the surgery regarding to the cost/ benefit ratio
- c1-Perform different techniques for surgical operations and site of incision and position according to type of animal .
- c2- Determination of the accurate dose from anesthetic drugs according to weight of animal
- d1- Work in a team group and work under pressure and / or contradictory conditions.
- d2 -Collect of data about different surgical affections and its treatment from the internet and journal

V. Course Content:

A – Theoretical Aspect:

Order	Topics List	Week Due	Contact Hours
1	Preanaesthetic medications	1	1
2	Local anesthetic drugs	2	1
3	Local anesthesia	3	1
4	Regional anesthesia	4	1

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5	Regional anesthesia	5	1
6	Regional anesthesia	6	1
7	Spinal analgesia	7	1
8	Mid-Term Exam	8	1
9	Spinal analgesia	9	1
10	Basal narcosis	10	1
11	General anesthetic drugs	11	1
12	General anesthetic drugs	12	1
13	General anesthetic drugs	13	1
14	Procedures and equipment of general anesthesia	14	1
15	Procedures and equipment of general anesthesia	15	1

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16	Final Exam	16	1
Number of Weeks /and Units Per Semester		16	16

b- Training Aspect:			
Order	Training Tasks	Week Due	Contact hours
1	Routes of drug administration	1	2
2	Preanaesthetic medications	2	2
3	Local anesthetic drugs	3	2
4	Methods of producing local analgesia	4	2
5	Nerve block of the head	5	2
6	Nerve block of the limb	6	2
7	Paravertebral nerve block	7	2
8	Mid-Term Exam	8	2
9	Spinal analgesia	9	2
10	Basal narcosis	10	2

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11	General anesthetic drugs	11	2
12	General anesthetic drugs	12	2
13	General anesthetic drugs	13	2
14	Procedures and equipment of general anesthesia	14	2
15	Procedures and equipment of general anesthesia	15	2
16	Final Exam	16	2
Number of Weeks /and Units Per Semester		16	32

V. Teaching strategies of the course:
<p>1- Interactive lectures (Brain storming, seminars, discussion).</p> <p>2-Practical lessons in dissecting room</p> <p>4- Self learning followed by active learning (beer article and discussion in group).</p>

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VI. Assessment Methods:				
No.	Type of Assessment Tasks	Week Due	Mark	Proportion of Final Assessment
1	Mid-Term Exam	2-14	10	10%
2	Mid-Term Practical Exam	8	10	10%
3	Final Practical Exam	8	10	10%
4	Oral Exam	15	10	10%
5	Final Exam	16	5	5%
6	Mid-Term Exam	16	55	55%
Total			100	100%

V. Learning Resource (MLA style or APA style)S:	
Required Textbook(s) (maximum two)	
	<ul style="list-style-type: none"> • Veterinary Anesthesia for 1st Semester, Dept. Staff member 2010 • General Surgery for 2nd Semester, Dept. Staff member 2010 • Department course of veterinary anesthesia.
Recommended Readings and Reference Materials	
	<ul style="list-style-type: none"> • Slater (1993): Textbook of Small Animal Surgery, W.B. Saunders. • Geonnor, G.G. (2005): Dollar's Veterinary Surgery.
Essential References	
Electronic Materials and Web Sites etc.	

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Other Learning Material:	
	-

XI. Course Policies:	
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5	Cheating: Not tolerated and may lead to EXPELLING the student from the program
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7	Other policies: 1.All devices must be on silent or at least on vibration during lectures/labs

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2. Before any exam (written, oral) we must check student's identity (student's card, ID, passport). Without any of these documents, the student will not be allowed in the exam room.

3. Any type/ form of cheating is not allowed no matter what.

4. Maintain silence during lectures/exam and disturbance is not allowed. For any questions students should raise their hand and wait for permission to talk.

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