



الجمهورية اليمنية  
وزارة التعليم العالي والبحث العلمي  
جامعة صنعاء  
كلية الطب البيطري

## Course Specification of General Surgery

I. Course Identification and General Information:						
1	Course Title:	General Surgery				
2	Course Number & Code:	SR482				
3	Credit hours:	C.H				Total
		Theoretical	Practical	Training	Seminar	
		2	1		3	
4	Study level/ semester at which this course is offered:	Fourth Year - First Semester				
5	Pre –requisite (if any):	ANT232, SR481				
6	Co –requisite (if any):	None				
7	Program (s) in which the course is offered:	Bachelor of Veterinary Medicine				
8	Language of the teaching course:	English				
9	Location of the teaching 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:						
The course aimed to provide the student with knowledge and skills in the introduction & classification of surgery, and know various methods of sterilization and disinfection of surgical room. Identify the general surgical affections of different animals						

عميد مركز التطوير

عميد الكلية

نائب العميد لشئون الجودة

الموصف

رئيس الجامعة

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أ.د. هدى العماد

د. عبدالرؤف الشوكاني

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species (Inflammation ,abscess, fractures, bone affections and joint affections, wounds, hemorrhage).

### 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-	Recognize the economic impact of surgical judgment (definition, history , principle of halsted , indication of surgery ).
A2-	Clarifies basic concepts, principles, and theories related to animal production, animal health and nutrition, behavior management, breeding and care that is related to animal ethical codes.	a2-	Describe the general surgical affections of different animals species (Inflammation , Fractures, abscess, bone affections and joint affections, wounds, hemorrhage).

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### Teaching And Assessment Methods For Achieving Learning Outcomes:

Alignment of Learning Outcomes of Knowledge and Understanding to Teaching and Assessment Methods:

Course Intended Learning Outcomes (CILOs) in Knowledge and Understanding	Teaching strategies/methods to be used	Methods of assessment
After completing this course, students will be able to:	1-Lectures. 2-Practical sessions to gain 3-practical skills. 4-Discussion. 5-Using experimental animals. 6-Field trips to treat sick in animals villages.	1-Written exam 2-Practical exam 3-Oral exam 4- Quizzes 5- Report assignments 6- Discussion
a1- Recognize the economic impact of surgical judgment (definition, history , principle of halsted , indication of surgery ).		
a2- Describe the general surgical affections of different animals species (Inflammation , Fractures, abscess, bone affections and joint affections, wounds, hemorrhage).		

### (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) in Intellectual Skills
After completing this program, students will be able to:	After completing this course, students will be able to:
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.	b1- Evaluate scientific as well as clinical info and critically analyze conflicting data re surgical affections.

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<b>B3-</b>	Design appropriate nursing and treatment care plans for different animal diseases and determine prioritizing of therapeutic.	<b>b2-</b>	Assess the general surgical affections of different animals species
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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:			
<b>b1-</b>	Evaluate scientific as well as clinical information and critically analyze conflicting data related to surgical affections.	1-Lectures. 2-Practical sessions to gain 3-practical skills. 4-Discussion. 5-Using experimental animals.	1-Written exam 2-Practical exam 3-Oral exam 4- Quizzes 5- Report assignment 6- Discussion
<b>b2-</b>	Assess the general surgical affections of different animals species	6-Field trips to treat sick animals in villages.	

### (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:	
<b>C2-</b>	Practicing practical, diagnostic, clinical and research skills, including the collection of samples in various fields of veterinary medicine and related sciences, in a safe and effective manner, taking into account the ethics of the profession.	<b>c1-</b>	Apply anesthesia of common surgical procedures efficiently ( detention , & terms in anesthesia)
<b>C4-</b>	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.	<b>c2-</b>	choose the suitable treatment for each case according to the circumstances and available materials.

### Teaching And Assessment Methods For Achieving Learning Outcomes:

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

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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-Lectures. 2-Practical sessions to gain 3-practical skills. 4-Discussion. 5-Using experimental animals. 6-Field trips to treat sick animals in villages.	1-Written exam 2-Practical exam 3-Oral exam 4- Quizzes 5- Report assignments 6- Discussion
c1-	Apply anesthesia of common surgical procedures efficiently ( detention , & terms in anesthesia)		
c2-	choose the suitable treatment for each case according to the circumstances and available materials.		

### (D) General / Transferable Skills:

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

Program Intended Learning Outcomes (PILOs) in General / Transferable skills		Course Intended Learning Outcomes (CILOs) in General / Transferable skills	
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 team and respect the legal ethical rule.
D3-	Practices problem-solving, negotiation, supervision and veterinary medical management skills and writing research reports efficiently and professionally.	d2-	Utilize information and communication skills.

### 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-Lectures. 2-Practical sessions to gain 3-practical skills. 4-Discussion. 5-Using experimental animals. 6-Field trips to treat sick animals in villages.	1-Written exam 2-Practical exam 3-Oral exam 4- Quizzes 5- Report assignments 6- Discussion
d1-	Work in team and respect the legal ethical rule.		
d2-	Utilize information and communicating skills.		

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IV. Course Content:					
1 – Course Topics/Items:					
a – Theoretical Aspect					
Order	Topic List / Units	CILOs (symbols)	Sub-topic List	Number of weeks	Contact hours
1	Introduction & classification of surgery	a1- a2- b1- b2- c1- c2	-Definition -History -Principle of Halsted -Indication of surgery	1	2
2	Sterilization	a1- a2- b1- b2- c1- c2	-Physical ,chemical -Modern technique for sterilization	2	2
3	Inflammation	a1- a2- b1- b2- c1- c2	-Definition -Classification - Healing , - Complications	3	2
4	Ulcers, Sinus, Fistula and phlegmon	a1- a2- b1- b2- c1- c2	-Definition , -Classification healing , complications	4	2
5	Necrosis, Gangrene, Burns and Scalds	a1- a2- b1- b2- c1- c2	-Definition , -Classification healing , complications	5	2
6	Bursitis, Tendinitis, Arthritis and Cyst	a1- a2- b1- b2- c1- c2	-Definition , -Classification healing , complications	6	2
7	Wound	a1- a2- b1- b2- c1- c2	-Definition , -Classification healing , complications	7	2
8	Wound	a1- a2- b1- b2- c1- c2	-Definition , -Classification healing , complications	8	2

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9	Fractures	a1- a2- b1- b2- c1- c2	-Definition , etiology - Treatment , fractures -Classification healing , complications	9	2
10	Fractures	a1- a2- b1- b2- c1- c2	-Definition , etiology - Treatment , fractures -Classification healing , complications	10	2
11	Fractures	a1- a2- b1- b2- c1- c2	-Definition , etiology - Treatment , fractures -Classification healing , complications	11	2
12	Abscesses	a1- a2- b1- b2- c1- c2	-Definition , -Classification healing , complications	12	2
13	Affections of the muscles and skin	a1- a2- b1- b2- c1- c2	-Definition , -Classification healing , complications	13	2
14	Affections of the muscles and skin	a1- a2- b1- b2- c1- c2	-Definition , -Classification healing , complications	14	2
<b>Number of Weeks /and Units Per Semester</b>				<b>14</b>	<b>28</b>

<b>b- Training Aspect:</b>				
Order	Training Tasks	CILOs (symbols)	Number of weeks	Contact hours
1	General principles of aseptic techniques	a1- a2- b1- b2- c1- c2	1	2
2	Instruments for general purposes	a1- a2- b1- b2- c1- c2	1	2
3	Special surgical instruments	a1- a2- b1- b2- c1- c2	1	2
4	Special surgical instruments	a1- a2- b1- b2- c1- c2	1	2

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5	Suture materials	a1- a2- b1- b2- c1- c2	1	2
6	Suture patterns and techniques	a1- a2- b1- b2- c1- c2	1	2
7	Suture patterns and techniques	a1- a2- b1- b2- c1- c2	1	2
8	Suture patterns and techniques	a1- a2- b1- b2- c1- c2	1	2
9	Suture patterns and techniques	a1- a2- b1- b2- c1- c2	1	2
10	Bandages	a1- a2- b1- b2- c1- c2	1	2
11	Bandages	a1- a2- b1- b2- c1- c2	1	2
12	Fixation of fractures	a1- a2- b1- b2- c1- c2	1	2
13	Fixation of fractures	a1- a2- b1- b2- c1- c2	1	2
14	Fixation of fractures	a1- a2- b1- b2- c1- c2	1	2
<b>Number of Weeks /and Units Per Semester</b>			<b>14</b>	<b>28</b>

<b>V. Teaching strategies of the course:</b>
1-Lectures. 2. Practical sessions to gain practical skills. 3. Discussion. 4. Using experimental animals. 5. Field trips to treat sick animals in villages.
<b>3-Assessment Methods:</b>

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- 1-Written exam
- 2-Practical exam
- 3-Oral exam
- 4- Quizzes
- 5- Report assignments
- 6- Discussion

## VI. 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, quizzes and assignments	2-14	10	10%	a1- a2- b1- b2- c1- c2
2	Mid-Term Exam	8	10	10%	a1- a2- b1- b2- c1- c2
3	Mid-Term Practical Exam	8	10	10%	a1- a2- b1- b2- c1- c2
4	Final Practical Exam	13	10	10%	a1- a2- b1- b2- c1- c2
5	Oral Exam	13	5	5%	a1- a2- b1- b2- c1- c2
	Final Exam	16	55	55%	a1- a2- b1- b2- c1- c2
	<b>Total</b>		<b>100</b>	<b>100%</b>	

## VII. Students' Support:

Office Hours/week	Other Procedures (if any)
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Saturday-Wednesday from 8:00 a.m.-2 p.m.

Student can contact me via email

## VIII. Learning Resource (MLA style or APA style)S:

### Required Textbook(s) ( maximum two )

- Veterinary Anesthesia for 1<sup>st</sup> Semester, Dept. Staff member 2010
- General Surgery for 2<sup>nd</sup> Semester, Dept. Staff member 2010
- Manual of Equine field surgery
- Atlas of orthopedic surgical procedures of the dog and cat.
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### Recommended Readings and Reference Materials

- Slater (1993): Textbook of Small Animal Surgery, W.B. Saunders.
- Geonnor, G.G. (2005): Dollar's Veterinary Surgery.

### Essential References

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### Electronic Materials and Web Sites etc.

- Veterinary surgery8m.com
- Veterinary videos.com

### Other Learning Material:

## X. Course Policies:

1	<b>Class Attendance:</b> MANDATORY TO ATTEND ALL COURSE LECTURES
2	<b>Tardy:</b> Not allowed at all. Students must be in class 10 minutes prior to the beginning of lectures.
3	<b>Exam Attendance/Punctuality:</b>

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	Attendance is mandatory; absence is accepted with valid excuse.
4	<b>Assignments &amp; Projects:</b> 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	<b>Cheating:</b> Not tolerated and may lead to EXPELLING the student from the program
6	<b>Plagiarism:</b> Not tolerated AT ALL and may lead to EXPELLING the student from the program
7	<b>Other policies:</b> 1.All devices must be on silent or at least on vibration during lectures/labs. 2.Before any exam (written, practical, oral) student's identity will be checked (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 and disturbance is not allowed.

## Course Plan of General Surgery

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#### 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	<a href="mailto:areef2000@yahoo.com">areef2000@yahoo.com</a>						

#### XI. Course Identification and General Information:

1	Course Title:	General Surgery				
2	Course Number & Code:	SR482				
3	Credit hours:	C.H				Total
		Theoretical	Practical	Training	Seminar	
		2	1			3
4	Study level/year at which this course is offered:	Fourth Year - First Semester				
5	Pre –requisite (if any):	ANT232, SR481				
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				

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## II. Course Description:

The course aimed to provide the student with knowledge and skills in the introduction & classification of surgery, and know various methods of sterilization and disinfection of surgical room. Identify the general surgical affections of different animals species (Inflammation ,abscess, fractures, bone affections and joint affections, wounds, hemorrhage).

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

After completing this course, students will be able to:

- a1- Recognize the economic impact of surgical judgment (definition, history , principle of halsted , indication of surgery ).
- a2- Describe the general surgical affections of different animals species (Inflammation , Fractures ,abscess, bone affections and joint affections, wounds, hemorrhage).
- b1- Evaluate scientific as well as clinical information and critically analyze conflicting data related to surgical affections.
- b2- Assess the general surgical affections of different animals species
- c1- Apply anesthesia of common surgical procedures efficiently ( detention , & terms in anesthesia)
- c2- Choose the suitable treatment for each case according to the circumstances and available materials.d1-Work in team and respect the legal ethical rule.
- d1- Work in team and respect the legal ethical rule.
- d2- Utilize information and communicating skills.

## V. Course Content:

### A – Theoretical Aspect:

Order	Topics List	Week Due	Contact Hours
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1	Introduction & classification of surgery	1	2
2	Sterilization	2	2
3	Inflammation	3	2
4	Ulcers, Sinus, Fistula and phlegmon	4	2
5	Necrosis, Gangrene, Burns and Scalds	5	2
6	Bursitis, Tendinitis, Arthritis and Cyst	6	2
7	Wound	7	2
8	<b>Mid-Term Exam</b>	8	
9	Wound	9	2
10	Fractures	10	2
11	Fractures	11	2
12	Fractures	12	2
13	Abscesses	13	2
14	Affections of the muscles and skin	14	2
15	Affections of the muscles and skin	15	2
16	<b>Final Exam</b>	16	2
<b>Number of Weeks /and Units Per Semester</b>		<b>16</b>	<b>32</b>

### b- Training Aspect:

Order	Training Tasks	Week Due	Contact hours
1	General principles of aseptic techniques	1	2

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وزارة التعليم العالي والبحث العلمي  
جامعة صنعاء  
كلية الطب البيطري

2	Instruments for general purposes	2	2
3	Special surgical instruments	3	2
4	Special surgical instruments	4	2
5	Suture materials	5	2
6	Suture patterns and techniques	6	2
7	Suture patterns and techniques	7	2
8	<b>Mid-Term Exam</b>	8	2
9	Suture patterns and techniques	9	2
10	Suture patterns and techniques	10	2
11	Bandages	11	2
12	Bandages	12	2
13	Fixation of fractures	13	2
14	Fixation of fractures	14	2
15	Fixation of fractures	15	2
16	<b>Final Exam</b>	16	2
<b>Number of Weeks /and Units Per Semester</b>		<b>16</b>	<b>32</b>

عميد مركز التطوير

وضمن الجودة  
أ.د. هدى العماد

عميد الكلية

د. عبدالرؤف الشوكاني

نائب العميد لشئون الجودة

د. عبدالرقيب الشامي

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## X. Teaching strategies of the course:

- 1-Lectures.
2. Practical sessions to gain practical skills.
3. Discussion.
4. Using experimental animals.
5. Field trips to treat sick animals in villages..

## XI. Assessment Methods:

- 1-Written exam
- 2-Practical exam
- 3-Oral exam
- 4- Quizzes
- 5- Report assignments
- 6- Discussion

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

## IX. Learning Resource (MLA style or APA style)S:

### Required Textbook(s) ( maximum two )

- Veterinary Anesthesia for 1<sup>st</sup> Semester, Dept. Staff member 2010
- General Surgery for 2<sup>nd</sup> Semester, Dept. Staff member 2010
- Manual of Equine field surgery
- Atlas of orthopedic surgical procedures of the dog and cat.
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### Recommended Readings and Reference Materials

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	<ul style="list-style-type: none"><li>• Slater (1993): Textbook of Small Animal Surgery, W.B. Saunders.</li><li>• Geonnor, G.G. (2005): Dollar's Veterinary Surgery.</li></ul>
<b>Essential References</b>	
	<ul style="list-style-type: none"><li>•</li></ul>
<b>Electronic Materials and Web Sites etc.</b>	
	<ul style="list-style-type: none"><li>• Veterinary surgery8m.com</li><li>• Veterinary videos.com</li></ul>
<b>Other Learning Material:</b>	

<b>X. Course Policies:</b>	
1	<b>Class Attendance:</b> MANDATORY TO ATTEND ALL COURSE LECTURES
2	<b>Tardy:</b> Not allowed at all. Students must be in class 10 minutes prior to the beginning of lectures.
3	<b>Exam Attendance/Punctuality:</b> Attendance is mandatory; absence is accepted with valid excuse.
4	<b>Assignments &amp; Projects:</b> 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	<b>Cheating:</b> Not tolerated and may lead to EXPELLING the student from the program
6	<b>Plagiarism:</b> Not tolerated AT ALL and may lead to EXPELLING the student from the program
7	<b>Other policies:</b> 1.All devices must be on silent or at least on vibration during lectures/labs.

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2. Before any exam (written, practical, oral) student's identity will be checked (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 and disturbance is not allowed.

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