



University of Sadat City
Faculty of veterinary medicine
Diploma specification
(2014-2015)



Special Surgery

Diploma Course Specification

A. Basic information

University:	University of Sadat City
Faculty:	Veterinary Medicine
Course Code:	925
Course title:	Special Surgery
Academic year:	2014-2015
Program title:	Diploma of Farm Animal Diseases
Lecture (hr/week):	1 hour/Week
Practical (hr/week):	1 hour/Week
Course coordinator:	Dr. Tarik Nabil Misk

B. Professional Information

1. Overall aims of course

By completion of the course, students should be able to:

1. List the prevalent surgical affections of different body systems in farm animal.
2. Know the diagnostic tools and techniques of clinical cases to reach the accurate diagnosis.
3. Exercise chemical securing of animals using different anesthetics.
4. Select suitable regimen of anesthesia for each species.

2. Intended Learning Outcomes of the Course (ILOs)

By completion of the course, students should be able to:

A. Knowledge and Understanding:

1. Review the principles of anesthesia required for operations in field situation
2. List the prevalent surgical affections of different body systems in farm animal.
3. Select different diagnostic tools and techniques for each affection.
4. State how to establish aseptic surgical procedures.

B. Intellectual Skills:

1. Choose the most suitable cocktail of anesthesia for each species.
2. Analyze information from history and clinical examination about the surgical affections of farm animals.
3. Explore diagnostic tools and techniques used for accurate diagnosis for such surgical problems.
4. Figure out suitable surgical technique in field situation.
5. Illustrate how to manage farm animals after surgery to avoid possible post-operative complications.

C. Professional and Practical Skills:

1. Calculate effective drug dosing for accurate sedation and anesthesia of operated animals.
2. Apply knowledge and understanding of the surgical affections during handling and preparation an animal for surgery.
3. Perform surgical operations for treatment of relevant surgical affections in farm animals.
4. Attain experience when handling surgical instruments and using surgery facilities.
5. Manipulate animals after surgery in the most effective way.

D. General and Transferable Skills:

1. Develop communication skills, working in a team, decision-making and time management during surgery.
2. Efficiently make use of library and IT facilities.
3. Improve computer skills including Microsoft word, excel, spreadsheets, presentation packages and graph plotting.
4. Develop written assignments and oral presentations skills.

3. Topics and contents

Theoretical Topics	Hours		Total
	Lecture	practical	
1- Anesthesia and analgesia in farm animals	5	3	8
2- Surgeries for digestive system disorders.	5	8	13
3- Surgeries for respiratory system disorders.	3	3	6
4- Surgeries for urogenital system disorders.	4	4	8
5- Surgeries for udder and teat disorders.	4	4	8
6- Disease of horns	2	1	3
7- Claw affections	3	4	7
8- Abdominal wall affections & wound management.	3	2	5
9- Diagnosis and differential diagnosis of external swellings.	4	3	7
10- Field surgeries for correction of musculoskeletal disorders and lameness.	6	6	12
11- Eye affections in farm animals.	5	6	11
Total	44	44	88

4. Teaching and Learning Methods

- 4.1- Lectures.
- 4.2- Practical.
- 4.3- Self-learning activities.

5. Student Assessment

N.B: The faculty by laws state that 50% of the grades are allocated for the written examination and the other 50% is for oral, periodical and practical examinations.

a. METHODS:

1- Written examination	For assessment of knowledge, back calling and Intellectual skills.
2- Practical examination	For assessment of practical and professional skill.
3- Oral examination	For assessment of knowledge and Intellectual skills.
4- Student activities	For assessment of knowledge and general and transferable skills.

b. MATRIX ALIGNMENT OF THE MEASURED ILOs/ ASSESSMENTS METHODS:

	K.U (a)	IS (b)	P.P.S (c)	G.S (d)
Written exam	1-4	1-5	-	-
Oral exam	1,2	2,3,4	-	-
Practical exam	-	-	1-5	-
Student activities	-	-	-	1-4

c. WEIGHT OF ASSESSMENTS:

Assessment	Allocated Mark	Evidence
Final written exam	50%	Marked and signed written paper.
Practical exam	20%	Marked and signed practical exam paper.
Oral exam	20%	Signed list of oral exam marks.
Student activities	10%	Sample of Student activities.

6. List of references

6.1. Essential books

-) Fubini, Susan L., and Norm Ducharme. **Farm animal surgery**. Elsevier Health Sciences, 2004.

6.2. Recommended texts

-) **Veterinary Medicine techniques** (Amresh Kumar, 1996).
-) **Veterinary Anaesthesia and Pain Management Secrets**. Stephen A. Greene – HANIEY & BELFUS, INC./Philadelphia (2002).
-) **Veterinary Anaesthesia**. Peter H. Cribb, Tanya Duke, Nigel Caulkett (1996).
-) Suter, R. J. "Farm Animal Surgery." Australian Veterinary Journal 82.8 (2004): 512-512.

6.3- Periodicals, Web Sites, ... etc

-) <http://www.vetsurgery.net/>
-) <http://www.ncbi.nlm.nih.gov/ICTVdb/>
-) <http://mmtsb.scripps.edu/viper/>

7. Facilities Required for Teaching and Learning

- a. Data Show and Computers.
- b. Fast internet access (ADSL System,etc).
- c. Library access (Text Books, Periodicals, Self Learning CDs, Others).

	Program coordinator	Head of department
Name	Dr. Tarik N. Misk	Prof. Dr. Shaaban M. Gadallah
Signature		

