

Andrology and Diseases causing Abortion

Benha University

Faculty of Veterinary Medicine

Program on which the course is given: **Bachelor of Veterinary Medical science**

Department offering the course

Theriogenology

Academic year / level

4th year, 2nd semester

Date of specification approval minstrel decree No 921, on 15/9/1987

(Then approved in this template by department council on 13 / 3/ 2009)

A- Basic Information

Title: Andrology and Diseases causing Abortion

Code: Vet 00643b

Lecture: 2hour

Practical: 3 hours

Total: 5 hours

B- Professional Information

1- Overall aims of course

To assess the male reproductive potential, eliminate the infertility problems and maximize the male fertilizing capacity. To asses the importance of diseases causing abortion

2- Intended learning outcomes of the course (ILOs)

a- Knowledge and understanding

- a 1-Recognize male breeding soundness.
- a2- Explain infertility problems
- a3-Familiarize with male reproductive managements

b- Intellectual skills

- b1- Interpret breeding soundness
- b2-Inspection and manipulation with an infertility problem
- b3- Set up all methods of handling of the male.
- B4- Assess the male sexual behaviour.

c- Professional and practical skills:

By the end of this course, students will be able to

- c1- Evaluate and examine a male for breeding soundness.
- c2- Apply different method of control an infertility problem at an early stage
- c3- Maximize the male fertilizing capacity.

d- General and Transferable Skills

- d 1- How to do a review article on a subject.
- d2- How to read text and reference books related.
- d3- How to connect the websites to transfer skills.

3- Contents

Topic	No. of hours	Lecture	Practical
Male reproductive physiology	2	4	-
Male sexual behavior	4	4	-
Semen biology	2	4	-
Impotentia eregenti	2	4	-
Impotentia coeundi	2	2	-
Impotentia generundi	4	4	-
Diseases causing abortion	8	8	-
Physio-anatomy of male genitalia	9	-	9
Scheme of andrological examination	6	-	9
Clinical exam of the male	9	-	9
Breeding soundness examination	6	-	9
Sire selection	6	-	9
Total	75	30	45

4- Content-ILOs matrix

Content	ILOs			
	Knowledge and understanding	Intellectual	Professional and practical	General and transferable
Male reproductive physiology	a1, a2	b1, b2,b3	c1, c2 , c3	d1, d2,

Male sexual behavior	a1, a3	b1, b2,b3	c1, c2 , c3	d1, d2, d3,d4
Semen biology	a1, a2, a3	b1, b2,b3, b4	c1, c2 , c3	d1, d4
Impotentia eregenti	a1, a2, a3	b1, b2,b3	c1, c2 , c3	
Impotentia coeundi	a1, a3	b1, b2,b3	c1, c2 , c3	
Im otentia generundi	a1, a2	b1,b3	c1, c2 , c3	d1, d2
Diseases causing abortion	a1, a2, a3	b1, b2,b3	c1, c2 , c3	d3,d4
Physio-anatomy of male genitalia	a1, a2, a3	b1, b2,b3, b4	c1, c2 , c3	d1, d2, d3,d4
Scheme of andrological examination	a1, a2, a3	b1, b2,b3	c1, c2 , c3	d1, d2
Clinical exam of the male	a1, a2, a3	b1, b2,b3, b4	c1, c2 , c3	
Breeding soundness examination	a1, a2, a3	b1, b2,b3	c1, c2 , c3	
Sire selection	a3	b4		

5- Assessment-ILOS matrix

Assessment	ILOS			
	Knowledge and understanding	Intellectual	Professional and practical	General and transferable
Mid - Term	a1, a2	b1, b2	c2 , c3	
Practical	a1, a3	b1, b2,b3	c1, c2 , c3	
Oral	a1, a2, a3	b1, b2,b3	c1, c2 , c3	
Final written exam	a1, a2, a3	b1, b2,b3	c1, c2 , c3	
Assignments (Part of mid				d1, d2, d3,d4

term grads)				
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6- Teaching and learning methods

- 6.1- Data Show
- 6.2- Over-head projector 4.3- Slide projector
- 6.3- Video tapes
- 6.4- Clinical cases.
- 6,5- Slaughter house material.

7- Student assessment methods

- Quiz to assess the practical attitude on handling a problem.
- Mid-term exam to assess knowledge and understanding.
- Network to assess general and transferable skill.
- Case report to assess the clinical approach of a problem.
- Oral exam to assess professional and practical skill.
- Final exam to assess level of understanding the course

Assessment schedule

- Assessment 1.....12 weeks during the practical sections.
- Assessment 2.1 week after one and half month
- Assessment 3. 4 weeks in the second mid-term
- Assessment 5 1 week after finishing the practice
- Assessment 4..... 1 week at the end of the term
- Assessment 6..... ... 1 week after finishing the term

Weighting of assessments

- Mid-term examination 10 %
- Final-term examination..... 50%
- Oral examination 15%
- Practical examination 15 %
- Practical skill 5%
- Transferable skill..... 5%
- Total 100 %

8- List of references

8.1- Course notes

- Veterinary andrology edited by the staff members

8.2- Essential books (text books)

- Applied animal reproduction, H.J.Bearden
- Fertility and infertility in domestic animals, J.A.Laing..
- Anatomy and physiology of farm animals, R.D.Frandson

8.3- Recommended books

- Reproduction in farm animals, E.S.E.Hafez
- Current therapy in theriogenology, D.A.Morrow.
- Current therapy in large animal theriogenology, R. S.Young quist

9- Facilities required for teaching and learning

- J. Animal reproduction & Fertility
- J. Fertility & Sterility
- J. Theriogenology
- J. Andrologia
- google.Com
- arabvet.com
- esarf tripod.com/index.htm

10- Facilities required of teaching and learning

- Aids for clinical examination.
- Network for technology transfer

Course coordinator: Prof Dr. Alla Abd El-Ghfar

Head of department: Prof Dr. Mahmoud Abed About EL- Roos

Date: 13 / 3/ 2009