



Beni-Suef University
Faculty of Veterinary Medicine

Course specification

1-Basic information

Course Code:	THR4253
Course title :	Andrology, Sire Selection and Abortion
Academic year:	4 th academic year
Program title:	Bachelor of Veterinary Medical Sciences
Contact hours/ week	Lecture: 2hrs and practical 3hrs/week
Approval Date	

2-Professional information

Overall aims of course:

This course aims to:

Assess the male reproductive potential, overcome the infertility problems and maximize the male fertilizing capacity and correctly select sires. To assess the importance of diseases causing abortion

3- Intended learning outcomes of course (ILOs)

a-Knowledge and understanding:

By the end of this course the student should be able to:

- a1- Recognize clinically normal male genital organs.
- a2- Outline the hormonal control of reproduction in male animals.
- a3- Recall the relationship among different cause of male infertility.
- a4-. Illustrate different methods of clinical diagnosis of male genital diseases.
- a5- Describe causes, diagnosis, prevention and control of diseases causing abortion.

b-Intellectual skills

By the end of this course the student should be able to:

- b1- Investigate the different causes of male infertility problems
- b2- Interpret efficiency of diagnosis and prevention of male reproductive disorders.
- b3- Score incidence of different male reproductive disorders.
- b4-Differentiate different cause of abortions.
- b5- Distinguish sire selection.

C- Professional and practical skills

By the end of this course the student should be able to:

- c1-Diagnose male infertility problems in different animal species
- c2- Manage sires by new technologies
- c3- Apply modern technology in sire selection
- c4- Assess the efficiency of modern technology and economic background.
- c5- Collect & preserve of diagnostic specimens from aborted animals.

d- General and transferable skills

By the end of studying the course, the student should be able to:

- d1- Use information technology & information resources.
- d2-. Practice continuous self learning & self evaluation.
- d3- Work in group.
- d4-. Communicate with dairy specialists.
- d5- Participate in private business.



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4-Topics and contents					
Course	Topic	Week	No. of hours	Lectur	Pract
(Lec. h./week, Pract. h./week) Second semester	Male Genital System.	1 st & 2 nd	10	4	6
	Endocrinology of male reproduction	3 rd	7	2	3
	Impotentia eregenti (lack of Libido)	4 th & 5 th	8	4	6
	Impotentia coeundi	6 th , 7 th & 8 th	12	6	9
	Impotentia generandi	9 th	6	2	3
	diseases causing abortion	10 th , 11 th	10	4	6
	Infertility in stallion	12 th	6	2	3
	Infertility in male Camels	13 th	6	2	3
	Total	13	65	26	39

5-Teaching and learning methods

- 5.1- Lectures (brain storming, discussion) using board and PowerPoint data show.
- 5.2- Self learning by preparing essays and presentations (computer researches and faculty library)
- 5.3- Practical (models, slaughter house materials of male genital organs).

6-Teaching and learning methods for the students with disabilities

Not Applicable

7-Student assessment

7.1. Assessments methods:

Method	Matrix alignment of the measured ILOs/ Assessments methods			
	K&U	I.S	P&P.S	G.S
written Exam	a2, a3, a4	b1,b3,b5		
Practical Exam	a1,a2 and a3	b2,b4,b5	c1, c2 & c4	
Oral Exam	a1-a5	b1-b5	c1-c5	d1-d5
Student Activities				d1 to d5

7.2. Assessment schedules/semester:

Method	Week(s)
Practical Exam	14 th & 15 th
written Exam	15 th to 18 th
Oral Exam	15 th to 18 th
Student activities	Along the semester

7.3. Weight of assessments/semester

Assessment	Weight of assessment
written Exam	50%
Practical Exam	20%



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Oral Exam	20%
Student activities	10
total	100%

8- List of references

8.1. Notes and books

Andrology Departmental notes

8.2. Essential books:

- Peter J. Chenoweth and Steven P. Lorton: Animal andrology: theories and applications, ISBN-13: 978 1 78064 316 8, © CAB International 2014.
- Robert, S. Youngquist and Walter R. Threlfall: CURRENT THERAPY IN LARGE ANIMAL THERIOGENOLOGY, SECOND EDITION, ISBN 13: 978-0-7216-9323-1 ISBN 10: 0-7216-9323-7, Copyright © 2007, 1997 by Saunders, an imprint of Elsevier Inc.
- H. Joe Bearden, John W. Fuquay, Scott T. Willard. Applied animal reproduction, Prentice Hall College Div, 1996-08-12. 4th Ed.
- **8.3. Recommended texts**
- Pradeep Kumar, Applied Veterinary Andrology and Artificial Insemination First Ed. 3013.

8.4. Journals, Websitesetc

Journals:

- Reproduction in domestic animals
- Andrologia
- International Journal of Andrology
- Reproductive toxicology

Websites:

<http://www.evssar.org/> **the largest Society for Small Animal Reproduction**

<http://www.reproductiverevolutions.com/>

<http://www.ivis.org/home.asp>

<http://vetrepropath.com/repro.html/> Veterinary Reproductive Pathology

<https://www.theriogenology.org/> [American College of Theriogenologists](#)

<https://www.zoetisus.com/reproduction/home.aspx>

Course Coordinators

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	Topics	week	Intended learning outcomes of course (ILOs)			
			K and U (a)	I.S (b)	P. P.S. (c)	G.T.S (d)
	2 nd semester					
1	Male Genital System.	1 st & 2 nd	a1			
2	Endocrinology of male reproduction	3 rd	a2	b2	c2 & c4	
5	Impotentia eregenti (lack of Libido)	4 th & 5 th	a3 & a4	b1, b2 & b3	c1	d4 & d5
4	Impotentia coeundi	6 th , 7 th & 8 th	a1 & a2	b5	c3	d1 & d2
5	Impotentia generandi	9 th	a5	b4	c5	d3 & d4
6	diseases causing abortion	10 th , 11 th		b5		
7	Infertility in stallion	12 th		b1, b2	c1	d2
8	Infertility in male Camels	13 th		b3	c4	d3