



Beni Suef University
Faculty of Veterinary Medicine

1-Basic information

Course Code:	THR3241
Course title:	Gynecology part 1
Academic year:	3 rd academic year
Program title:	Theriogenology
Contact hours/ week	Lecture: 1hrs/week practical 2hrs
Approval Date	

2-Professional information

Overall aims of course:

This course aims to:

Recognize and describe the normal structure and functional status of the female reproductive system, as well as to eliminate the infertility problems in pets and equines.

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 normal and abnormal female genital system of bitch, cat and mare.
- a2- Identify fertility and infertility problems in pets and mare.
- a3- Illustrate different methods of pregnancy diagnosis in pets and mare
- a4- Recall the relationship among different forms of infertility in pets and mare.
- a5- Mention causes, pathogenesis, diagnosis and control of infertility in pets and mare.

b-Intellectual skills

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

- b1- Differentiate different causes of infertility in bitch, cat and mare
- b2- Interpret efficiency of diagnosis and prevention of reproductive disorders bitch, cat and mare.
- b3- Score incidence of reproductive disorders in bitch, cat and mare.
- b4- Appraise the planning of estrus synchronization and proper time of insemination

C- Professional and practical skills

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

- c1-Diagnose pregnancy in bitch, cat and mare using different modern tools.
- c2- Apply modern technology in estrus detection and timing of insemination in pets and equines..
- c3- Collect & preserve of diagnostic specimens.
- c4- Perform Clinical examinations of infertile 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.



4-Topics and contents

Course	Topic	Week	No. of hours	Lectures	Practical
(Lec. h./week, Pract h./week) First semester	Female Reproductive structure (mare, bitch & cat)	1 st	3	1	2
	Female Reproductive Endocrinology (mare, bitch & cat)	2 nd	3	1	2
	Estrous cycle and Estrus detection (mare, bitch & cat)	3 rd & 4 th	6	2	4
	Hormonal causes of infertility (mare, bitch & cat)	5 th & 6 th	6	2	4
	Environmental causes of infertility (mare, bitch & cat)	7 th & 8 th	6	2	4
	Congenital causes of infertility (mare, bitch & cat)	9 th & 10 th	6	2	4
	Pathological causes of infertility (mare, bitch & cat)	11 th , 12 th & 13 th	9	3	6
	Total		13	39	13

5-Teaching and learning methods

- 5.1- Lectures (brain storming, discussion) using board, Power Point data shows
- 5.2- Self learning by preparing essays and presentations (computer researches and faculty library)
- 5.3- Practical (models, samples of.....).

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, a5	b1,b3		
Practical Exam		b2,b4	c1 to c4	
Oral Exam	a1-a5	b1-b4	c1-c4	d1-d5
Student Activities				d1 to d5

7.2. Assessment schedules/semester:

Method	Week(s)
Practical exam	14 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%
Oral Exam	20%
Student activities	10%
total	100%

8- List of references

- 8.1. Notes and books
Gynecology Departmental note



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8.2. Essential books:

- IAN CORDON: CONTROLLED REPRODUCTION in Cattle and Buffaloes, First ed. ISBN0851YY 1149, OCAB International 1996.
- IAN CORDON: CONTROLLED BREEDING IN FARM ANIMALS, Copyright © 1983 Pergamon Press Ltd. I S BN 0-08-024410-6 Hard cover.
- D. E. Noakes, T. J. Parkin-on and G. C. W. England: Arthur's Veterinary Reproduction and Obstetrics.' 8th Edition. SAUNDERS An imprint of Elsevier Limited. ©Elsevier Limited 2001.
- Pradeep Kumar: APPLIED VETERINARY GYNAECOLOGY AND Obstetrics, Frist Ed. 2009, ISBN 978-81-8189-218-8, International Book Distributing Co.
- Artificial Insemination Manual for Cattle, Japan Livestock Technology Association, March 2004.
- Richard McRae Hopper: Bovine reproduction, © 2015 by John Wiley & Sons, Inc.
- Peter GG Jackson, Handbook of Veterinary Obstetrics, 2nd Ed. © 2004 Elsevier Limited.

8.3. Recommended texts

- Current therapy of equine theriogenology

8.4. Journals, Websitesetc

Journals:

- Reproduction in domestic animals
- Theriogenology
- Animal reproduction science
- Journal of fertility, development

Websites:

<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>

<https://www.therio.org/search/custom.asp?id=1107>

<http://www.luvax.edu.in/veterinary-gynaecology-and-obstertrics.html>

Course Coordinators

Head of Department

Dr. Abdeltawab Abdelrazek Yassin

Prof. Dr. Mahmoud Mohamed Hussein



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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)
1 st semester		K and U (a)	I.S (b)	P. P.S. (c)	G.T.S (d)
Female Reproductive structure (mare, bitch & cat)	1 st	a1	b2	c2	d2
Female Reproductive Endocrinology (mare, bitch & cat)	2 nd	a1 & a2	b1	c1&c2	d3 & d5
Estrous cycle and Estrus detection (mare, bitch & cat)	3 rd & 4 th	a3&a4	b2	c4&c3	d4
Hormonal causes of infertility (mare, bitch & cat)	5 th & 6 th	a4, a5	b3		d1&d2
Environmental causes of infertility (mare, bitch & cat)	7 th & 8 th	a2&a3	b3	c4&c5	d2&d3
Congenital causes of infertility (mare, bitch & cat)	9 th & 10 th	a3, a5	b4	c4n c5	d3
Pathological causes of infertility (mare, bitch & cat)	11 th , 12 th & 13 th	a1&a2	b4	c4	d1&d2