



Beni-Suef University
Faculty of Veterinary Medicine

Course specification

1-Basic information

Course Code:	THR 4145
Course Title:	Gynecology part 2
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:

Identify the normal status of the female genitalia, eliminate the infertility problems and to manipulate the female reproductive management.

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.
- a2- Identify fertility and infertility problems.
- a3- Illustrate different methods of pregnancy diagnosis in different animal species
- a4- Recall the relationship among different forms of infertility in female animals.
- a5- Mention causes, pathogenesis, diagnosis, prevention and control of infertility.

b-Intellectual skills

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

- b1- Differentiate different causes of female infertility problems
- b2- Interpret efficiency of diagnosis and prevention of female reproductive disorders.
- b3- Score incidence of reproductive disorders.
- b4- Discriminate dairy farms, planning of estrus synchronization and improvement of reproductive and productive performance

C- Professional and practical skills

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

- c1-Diagnose pregnancy in different animal species
- c2- Apply modern technology in dairy farms.
- C3-. Assess the efficiency of modern technology and economic background.
- C4- Collect & preserve of diagnostic specimens.
- C5- 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.



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- d4-. Communicate with dairy specialists.
- d5- Participate in private business.

4-Topics and contents					
Cour se	Topic	Week	No. of hours	Lectures	Practical
(Lec. 2h./week, Pract 2h./week)	▪ Reproductive anatomy	1 st	5	2	3
	▪ Reproductive Endocrinology	2 nd	5	2	3
	▪ Estrous cycle, Estrus detection and synchronization	3 rd & 4 th	10	4	6
	▪ Congenital causes of infertility	5 th	5	2	3
	▪ Pathological causes of infertility	6 th & 7 th	10	4	6
	▪ Hormonal causes of infertility	8 th & 9 th	10	4	6
	▪ Environmental causes of infertility	10 th , 11 th	5	2	3
	▪ Infertility in Camels	12 th , 13 th	10	4	6
	Total	13	65	26	39

5-Teaching and learning methods

- 5.1- Lectures (brain storming, discussion) using board, 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	a1,a2 and a3	b2,b4	c1 to c5	
Oral Exam	a1-a5	b1-b4	c1-c5	d1-d5
Student Activities				d1 to d5

7.2. Assessment schedules/semester:

Method	Week
Practical exam	14 th
written exam	15 th to 18 th
Oral Exam	15 th to 18 th
Student activities	Along the semester



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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

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 theriogenology

8.4. Journals, Websitesetc

Journals:

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

Websites:

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



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<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.luvas.edu.in/veterinary-gynaecology-and-obstetrics.html>

<https://reproductive-gynecologicpathology.conferenceseries.com/>

Course Coordinators

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Head of Department

Prof. Dr. Mahmoud Mohamed Hussein

Topics	week	Intended learning outcomes of course (ILOs)			
		K and U (a)	I.S (b)	P. P.S. (c)	G.T.S (d)
Reproductive anatomy	1 st	a1&a2	b1	c1	d1
Reproductive Endocrinology	2 nd	a2	b2	c2	d2
Estrous cycle, Estrus detection and synchronization	3 rd & 4 th	a3	b1	c1&c2	d3 & d5
Congenital causes of infertility	5 th	a3&a4	b2	c4&c3	d4
Pathological causes of infertility	6 th & 7 th	,a4, a5	b3		d1&d2
Hormonal causes of infertility	8 th & 9 th	a2&a3	b3	c4&c5	d2&d3
Environmental causes of infertility	10 th	a3, a5	b4	c4n c5	d3
Infertility in mare and pets	11 th & 12 th	a1&a2	b4	c4	d1&d2
Infertility in Camels	13 th	a5	b1, b2	C1&c4	d5