

Specification for Andrology and Diseases causing Abortion course 2019/2020

A-Affiliation

1.	Relevant program	Bachelor of Veterinary Medical Science (BVMSc)
2.	Department offering the course	Theriogenology

Date of specification approval: ministerial decree No. 1727 on 26/4/2017
(Approved in this template by the department council on 1/10/2019)

B-Basic information

1.	Course title	Andrology and diseases causing abortion
2.	Course code	411 (B) II
3.	Level	4 th year
4.	Semester	Second semester
5.	Total hours	5
6.	Lecture hours	2
7.	Practical hours	3

C-Professional Information

1- Course learning objectives

The course aims to assess the male reproductive potential, eliminate the infertility problems and maximize the male fertilizing capacity in addition to assess the importance of diseases causing abortion.

2- Intended learning outcomes of the course (ILOs):

a- Knowledge and understanding

After successful completion of the course the students should be able to:

- a1- Identify male breeding soundness.
- a2- Explain infertility problems.
- a3- Familiarize with male reproductive managements

b- Intellectual skills

After successful completion of the course the students should be able to:

- b1- Interpret breeding soundness.
- b2 manipulation and treatment of infertility problems.
- b3- Set up all methods of handling of the male
- b4- Assess the male sexual behavior

c- Professional and practical skills

After successful completion of the course the students should 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

After successful completion of the course the students should have the following skills

- d1- Searching skills
d2- Communication skills
d3- Problem solving skills
d4- Working in a team work

3- Course contribution in the program ILOs:

Course ILOS		Program ILOS
A	Knowledge and understanding	a ¹⁰
B	Intellectual skills	b ⁹
C	Professional and practical skills	c ^{7,9}
D	General and transferable skills	d ^{1,2,3,5,6}

3.1- Course contents:

Topic	Lecture hours	Practical hours
Male reproductive physiology	4	-
Male sexual behavior	4	-
Semen biology	4	-
Impotentia eregenti	4	-
Impotentia coeundi	4	-
Im otentia generundi	4	-
Diseases causing abortion	6	-
Physio-anatomy of male genitalia	-	9
Scheme of andrological examination	-	9
Clinical exam of the male	-	9
Breeding soundness examination	-	9
Sire selection	-	9
total	30	45

The midterm and practical exams are included during the semester

3.2- ILOs matrix:

Topic	A) Knowledge and understanding	B) Intellectual skills	C) Professional and practical skills	D) General and transferable skills
Male reproductive physiology	a1, a2	b1, b2,b3	c1, c2 , c3	d1, d2,
Male sexual		b1, b2,b3	c1, c2 , c3	d1, d2,

behavior	a1, a3			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 otenia 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	

4- Teaching, learning and assessment methods:

ILOs	Teaching and Learning methods							assessment method					
	L	P&M	D	P	Ps	Bs	Ft	semester	midterm	oral	practical	written	
ge and understa	a1	x	x	x	0	0	x	0	x	x	x	0	x
	a2	x	x	x	0	0	x	0	x	x	x	0	x
	a3	x	x	x	0	0	x	0	x	x	x	0	x
Intellectua skills	b1	x	x	x	0	x	x	x	x	x	x	0	x
	b2	x	x	x	0	x	x	x	x	x	x	0	x
	b3	x	x	x	0	x	x	x	x	x	x	0	x
	b4	x	x	x	0	x	x	x	x	x	x	0	x
onal and practica	c1	0	x	x	x	x	0	x	x	0	x	x	0
	c2	0	x	x	x	x	0	x	x	0	x	x	0
	c3	0	x	x	x	x	0	x	x	0	x	x	0
General skills	d1	0	x	x	0	x	x	x	x	0	x		x
	d2	x	x	0	x		0	x	x	0	x	x	0
	d3	0	0	x	0	x	0	x	x	0	x	x	x
	d4	0	0	0	x		0	x	x	0	x	0	0

L :Lecture, P&M: Presentations & Movies, D&S: Discussions & Seminars PT: Practical, Ps: Problem solving, Bs: Brain storming Ft: field trip

5- Assessment timing and grading:

Assessment method	timing	grade
Mid-term exam and semester work	6 th week	15
Practical exam	14 th week	20
oral exam	End of semester	15
Written exam	End of semester	50
total		100

6- List of references

6.1- Course notes:

Veterinary Gynecology edited by the staff members

6.2- Essential books (text books)

- John Dascanio (2014) Equine Reproductive procedures.
- Wolfgang Jochle (2010) Control of Reproductive Functions in Domestic Animals
- Suresh S. Honnappagol (2010) Artificial insemination and treatment of infertility in dairy animals

6.3- Recommended books

- Course notes.
- Suresh S. Honnappagol (2010) Artificial insemination and treatment of infertility in dairy animals.
- Current therapy in theriogenology, D.A. Morrow

6.4- Periodicals, Web sites, . . . etc

- J. Animal reproduction & Fertility.
- J. Fertility & Sterility.
- www.arabvet.com
- www.ekb.eg

7- Facilities required for teaching and learning

- Equipped teaching hall.
- Equipped Laboratory.
- Faculty teaching farm
- Faculty teaching hospital
- Artificial insemination unit

Course coordinator: Prof Dr. MAHMOUD ABED ABOU EL- ROOS

Head of department Prof Dr. GAMAL A. SOSA

Signature

Date 1/10/2019