Theriogenology B

Benha University
Faculty of Veterinary Medicine

Course specification

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: 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: 2 hours  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 assess the importance of diseases causing abortion

2- Intended learning outcomes of the course (ILOs)

a- Knowledge and understanding

a1- Male breeding soundness.
a2- Diagnosis and treatment of infertility problems
a3- Male reproductive managements

b- Intellectual skills

b1- Good breeding soundness
b2- Good manipulation with an infertility problem
63- Good handling of the male
c- Professional and practical skills (By the end of this course, students will be able to)

cl- How to examine a male for breeding soundness.

c2- How to control an infertility problem at an early stage

c3- How to 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

<table>
<thead>
<tr>
<th>Topic</th>
<th>No. of hours</th>
<th>Lectures</th>
<th>Practical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Male reproductive physiology</td>
<td>2</td>
<td>4</td>
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<tr>
<td>Male sexual behavior</td>
<td>4</td>
<td>4</td>
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<tr>
<td>Semen biology</td>
<td>2</td>
<td>4</td>
<td>-</td>
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<tr>
<td>Impotentia eregenti</td>
<td>2</td>
<td>4</td>
<td>-</td>
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<tr>
<td>Impotentia coeundi</td>
<td>2</td>
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<tr>
<td>Impotentia generandi</td>
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<tr>
<td>Diseases causing abortion</td>
<td>8</td>
<td>8</td>
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<tr>
<td>Physio-anatomy of male genitalia</td>
<td>9</td>
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<tr>
<td>Scheme of andrological examination</td>
<td>6</td>
<td>-</td>
<td>9</td>
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<tr>
<td>Clinical exam of the male</td>
<td>9</td>
<td>-</td>
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<tr>
<td>Breeding soundness examination</td>
<td>6</td>
<td>-</td>
<td>9</td>
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<tr>
<td>Sire selection</td>
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<tr>
<td>Total</td>
<td>75</td>
<td>30</td>
<td>45</td>
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</tbody>
</table>

4- Teaching and learning methods

4.1. Data Show
4.2. Over-head projector
4.3- Slide projector
4.4. Video tapes
4.5. Clinical cases.
4.6. Slaughter house material.

5- Student assessment methods
5.1- Quiz to assess the practical attitude on handling a problem.
5.2- Mid-term exam to assess knowledge and understanding.
5.3- Network to assess general and transferable skill.
5.4- Case report to assess the clinical approach of a problem.
5.5- Oral exam to assess professional and practical skill.
5.6- 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

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

6- List of references

6.1- Course notes
- Veterinary andrology edited by the staff members

6.2- 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
6.3- **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

7- **Facilities required for teaching and learning**

- J. Animal reproduction & Fertility
- J. Fertility & Sterility
- Theriogenology
- J. Andrologia
- Google.Com
- Arabvet.com
- Esarf tripod.com/index.htm

8- **Facilities required of teaching and learning**

- Aids for clinical examination.
- Network for technology transfer

**Course coordinator**

Prof. Dr. Alaa El-Sayed Abdel-Ghaffar

**Head of department**

Prof. Dr. Alaa El-Sayed Abdel-Ghaffar

**Date of issue:**