Course Specification
Animal and Poultry Behavior and Management (A)

Benha University                      Faculty of Veterinary Medicine

Course title: Behaviour and management of cattle, buffaloe and camel

Program on which the course is given: Doctor of philosophy degree in veterinary medical science (Animal and Poultry Behavior and Management)

Department offering the course: Department of Animal Hygiene, Behaviour and Management.

Date of specification approval: Ministerial Decree No 921, on 15/9/1987.

(Then approved in this recent template by department council on 30/11/2011)

A-Basic information

Title: Animal behaviour and management                     Code: 33
Lecture: 2 hours                                           
Practical: 2 hours                                         Total: 4 hours/week

B-Professional information

1-Overall aims of course:

After completion the course the postgraduates are expected to be able to

1- Acquire broad knowledge about behavior of cattle, buffaloe and camel.

2- Know management of cattle, buffaloe and camel

3- Determine health performance of cattle, buffaloe and camel

2- Intended Learning Outcomes of Course (ILOs).

A-Knowledge and understanding:

After completing this course the student will be able to:
a1) Comprehend the basic of normal behaviour, management and health maintenance of cattle, buffalo and camel.

a2) Familiarize with the principle of welfare, production and health maintenance of cattle, buffalo and camel.

a3) Know the basics of laws and ethical codes relevant to animals and food hygiene.

a4) Recognize animal welfare which in turn will be reflected in form of high performance and productivity of the animal.

a5) Describe which is going within the animal mind and understand the body language in order to fulfill all the reasonable useful requirements of cattle, buffalo and camel.

a6) Summarize the actual aetiological factors which can induce behavioural disorders in cattle, buffalo and camel.

a7) Familiarize with handling and restraint of different cattle, buffalo and camel.

a8) Realize the proper management of cattle, buffalo and camel which in turn will be reflected in the form of high performance and productivity of the animals.

a9) Enumerate the different behaviour disorders of cattle, buffalo and camel.

a10) List freedoms of animals in order to avoid suffering and sustain fitness.

a11) Relate the environment conditions with different behaviours of cattle, buffalo and camel.

b- Intellectual skills:

b1 - Assess the diagnosis of abnormal behaviour in cattle, buffalo and camel.

b2 - Judge the body language of cattle, buffalo and camel.
b3- design new housing system which permit animals to grow, mature reproduce and maintain good health.

b4- develop new method for effective restraint of cattle, buffalo and camel.

b5- creat new methods to control and prevent behavioural disorders in cattle, buffalo and camel.

b6- invent new instruments and devices used for treatment of behavioural disorder in animals.

b7- modify systems of manegment in order to obtain high performance and productivity.

b8- assess and criticize, how data given in animal behaviour are derived.

b9-analyze the body language of cattle, buffalo and camel in order to fulfill the useful requirements of animals.

C- Professional and practical skills:

  c.1). Employ all the gained knowledge and understanding in clinical practice in a skillful pattern.
  c.2). safely, correctly and humanely restrain animals for examination.
  c.3). obtain the history of the case whether it is of an individual animal or a group of animals.
  c.4). perform physical examination of animals for signs of health.
  c.5) write a report about soundness of animals.
  c.6) Write a certificate about imported and exported animals.
  c.7) Read a pedigree in farmed animals
  c.8) Assess and advice about animal management and reproductive efficiency.
  c.9) Gain skillfully and appropriately use new information in the field of animal behaviour.
  c.10) utilize appropriate safety procedures to protect clients and co-workers.
  c.11) scan the actual etiological factors which can induce behavioural disorders in animals.
  c.12) solve the different behaviour disorder or vices in cattle, buffalo and camel.

D-General and transferable skills:
After successful completion of the course, the students should be able to:

d.1. work under pressure and or / contradictory conditions in contain codes.
d.2. utilize computer and Internet to search for information

d.3. communicate verbally and non verball with lectures and class-mates

d.4. conduct research papers and project.
d.5. function in a multidisciplinary team during conducting a research paper and during laboratory work.
d.6. search about new information.
d.7. present a scientific study.

3-Contents :

<table>
<thead>
<tr>
<th>Topic</th>
<th>No. of hours</th>
<th>Lecture</th>
<th>Practical</th>
</tr>
</thead>
<tbody>
<tr>
<td>1- General behaviour</td>
<td>20</td>
<td>20</td>
<td>-</td>
</tr>
<tr>
<td>1-Behaviour and management of cattle</td>
<td>50</td>
<td>50</td>
<td>-</td>
</tr>
<tr>
<td>3- Behaviour and management of buffalo</td>
<td>10</td>
<td>10</td>
<td>-</td>
</tr>
<tr>
<td>4- Behaviour and management of camel</td>
<td>10</td>
<td>10</td>
<td>-</td>
</tr>
<tr>
<td>5-Points of the farm animals</td>
<td>6</td>
<td>-</td>
<td>6</td>
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<tr>
<td>6- Types of restraint</td>
<td>10</td>
<td>-</td>
<td>10</td>
</tr>
<tr>
<td>7- Casting of animals</td>
<td>5</td>
<td>-</td>
<td>5</td>
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<tr>
<td>8- Grooming of animals</td>
<td>5</td>
<td>-</td>
<td>5</td>
</tr>
<tr>
<td>9- Clipping of animals</td>
<td>5</td>
<td>-</td>
<td>5</td>
</tr>
<tr>
<td>10- Washing of animals</td>
<td>5</td>
<td>-</td>
<td>5</td>
</tr>
<tr>
<td>11- Clothing of animals</td>
<td>5</td>
<td>-</td>
<td>5</td>
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<tr>
<td>12- Bedding</td>
<td>5</td>
<td>-</td>
<td>5</td>
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<tr>
<td>13- Animal identification</td>
<td>10</td>
<td>-</td>
<td>10</td>
</tr>
<tr>
<td>Ageing of cattle, buffalo and camel</td>
<td>8</td>
<td>-</td>
<td>8</td>
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<tr>
<td>Administration of medicine to cattle, buffalo</td>
<td>8</td>
<td>-</td>
<td>8</td>
</tr>
<tr>
<td>Signs of health of cattle, buffalo and camel</td>
<td>8</td>
<td>-</td>
<td>8</td>
</tr>
<tr>
<td>Body conformation</td>
<td>10</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>180</strong></td>
<td><strong>90</strong></td>
<td><strong>90</strong></td>
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4-Teaching and learning methods:

Lectures, farm visits and practical sessions in which the following facilities are used:

Lectures using data show beside the classical teaching methods.

Practical studies

Case study

Essay about behaviour and management of cattle, buffalo and camel

4.1- Farm animals. 4.2-Slides 4.3 CD 4.4-Videotapes

4.5- Demonstration of instruments used for restraint of animals, grooming, clipping, clothing & animal identification.

5-Student assessment methods:

5.1- Semester work to assess student ability discussion his attendants.

5.2- Practical exam to assess professional and practical skills.

5.3- Oral exam to assess ability to demonstrate his knowledge.

5.4- Written examination to assess different skills

Assessment Schedule:

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Weeks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assessment 1</td>
<td>15</td>
</tr>
<tr>
<td>Assessment 2</td>
<td>44</td>
</tr>
<tr>
<td>Assessment 3</td>
<td>45</td>
</tr>
<tr>
<td>Assessment 4</td>
<td>45</td>
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</tbody>
</table>

Weighting of assessments:

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Final-term examination</td>
<td>50%</td>
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<tr>
<td>Oral examination</td>
<td>20%</td>
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<tr>
<td>Practical examination</td>
<td>20%</td>
</tr>
<tr>
<td>Semester work</td>
<td>10%</td>
</tr>
<tr>
<td>Other types of assessment</td>
<td>0%</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
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</tbody>
</table>
Assessment of program intended learning outcomes.

<table>
<thead>
<tr>
<th>Tool or method</th>
<th>ILOs</th>
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</thead>
<tbody>
<tr>
<td>1-Written</td>
<td>a1,a2,a4,a6,b1,b2</td>
</tr>
<tr>
<td>2-Oral</td>
<td>a6,a7,a9,b1,b2</td>
</tr>
<tr>
<td>3-Practical</td>
<td>a7,b1,c2</td>
</tr>
<tr>
<td>4-Seminar</td>
<td>a3,a7,b1,b2,c1,c2</td>
</tr>
</tbody>
</table>

6-List of references

6.1- Course notes:
A concise guide of animal and poultry behaviour and management

6.2- Essential books (Textbooks)


6.3-Recommended books:


6.4 Periodicals, web sites, ... etc.


2- Veterinary Records.

7-Facilities required for teaching and learning:

1- Farm animals. 2- Data show and computer lab.

3- Library

4- Different types of instruments for restraint of animals.

Course Coordinator:

Prof Dr Mohamed Morsy Karosa

Head of the Department:

Prof. Dr Mohamed Morsy Karosa.

Date: 30/11/2011