COURSE SPECIFICATIONS

Postgraduate courses
(Master)

Prepared By
Anatomy & Embryology Department

University: Benha
Faculty: Veterinary Medicine

Course Title: Applied and surface Anatomy
Code: 1
Department offering the course: Anatomy and Embryology Department
Program(s) on which the course is given: Master. Degree in Veterinary science (Anatomy)
Academic year / Level: 2011-2012
Date of specification approval: /2012

A- Basic Information
Title: Applied and surface Anatomy

Credit Hours:
Lecture: 2 | Tutorial: | Practical: 2 | Total: 4/w

B- Professional Information

1 - Overall Aims of Course: The postgraduate student gain the experience in the surface anatomy of the horse, ox, dog and pig. At the end of the course, they are provided with the advanced anatomical knowledge of the applied and surface anatomy in domestic animals and be able to identify the surface anatomy of different animal species. They become able also to use these anatomical information in other veterinary fields such as medicine, surgery, obstetrics………..etc.

2 - Intended Learning Outcomes of Course (ILOs)

A-Knowledge and Understanding:
After successful completion of this course the student should be able to:

A1- Recognize the anatomy of the tendons and their action on joints for diagnostic and surgical purposes.

A2- Identify the anatomy of the nerves of the thoracic and pelvic limbs.

A3- Understand the anatomy of the muscles of the abdominal wall.

A4- Recognize the normal areas of percussion and auscultation.

B-Intellectual Skills

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

B1- Estimate the problems of some organs and how to approach and deal with. (Rumen, liver, stomach,.................etc)

B2- determine the sites of nerve blocks.

B3- Assess inquiries from the animal owners and the official authorities reports (e.g. Forensic Medicine) and how to answer it.

C-Professional and Practical Skills

After successful completion of this course the student should be able to:

C1- Implement surface anatomy knowledge on the living animals and in approaching some field cases.

C2- Use the radiographic anatomy of all regions of body in clearing some field problems.

C.3- Do hard and wet formalin preserved anatomical specimens for display.

D-General and Transferable Skills

After successful completion of this course the student should be able to:

D.1 Prepare a scientific papers and essays.

D.2 Acquire the skill of oral Presentation (Using the Over Head Projector, power point program and other 3D programs).
D.3 Constructing a poster and its presentation.
D.4 Time management & Work in a team.
E- Attitude
E1-Scientific Integrity.
E2-Knowledge of the rules of the scientific researches.
E3-Respect his profession and encourage cooperation with colleagues.

3. Contents

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<th>No. of hours</th>
<th>Lecture</th>
<th>Tutorial/Practical</th>
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<tr>
<td>Applied and surface anatomy of the Thorax</td>
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<td>Applied and surface anatomy of the Abdomen</td>
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<td>Applied and surface anatomy of the Limbs</td>
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<td>seminar</td>
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4. Program - Course ILO Matrix:

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<thead>
<tr>
<th>Content title</th>
<th>A (K&amp;U)</th>
<th>B (I.S)</th>
<th>C (P&amp;P.S)</th>
<th>D (G&amp;T.S)</th>
<th>E (A)</th>
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<td>Applied and surface anatomy of the Head and neck</td>
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5- Teaching and Learning Methods

5.1-lectures

5.2-Practical

5.3- practical training on living animals

5.4-reports

6- Student Assessment Methods
6.1 seminar & researches  
6.2 oral examination  
6.3 practical exam  
6.4 final exam  

Assessment Schedule

Assessment 1: 7th week
Assessment 2: Week 14th
Assessment 3: Week 21st
Assessment 4: Week 28th

Weighting of Assessments

- Mid-Term Examination: 10%
- Final-term Examination: 50%
- Oral Examination: 10%
- Practical Examination: 20%
- Seminar & researches: 10%

Other types of assessment:
Total: 100%

7- List of References

7.1- Books


7.2- Periodicals, web sites, … etc.

Periodicals
- Anatomia Histologia Embryologia (Journal of the World Association of Veterinary Anatomists)
8- Facilities required for teaching and Learning

A) Available
- Formalin preserved specimens.
- X-ray images.
- Comparative specimens (bones and organs).
- Over Head Projector.
- Posters and colored sheets and transparencies.

B) Required
- Models of comparative organs of different animal species.
- Comparative Plastinated organs.
- Stereo-Microscope.
- Tools and electric appliances for organs, skeletons and bone preparation.
- Mobile ultrasonic apparatus.
- Data Show.
- CDs. (anatomy, applied anatomy, radiographic anatomy ..etc.)
- Television circuit for the dissection room.

Course Coordinator: Prof. Dr. Hatem Bahgaat

Head of Department: Prof. Dr. Hatem Bahgaat

Date: 1/11/2011