# COURSE SPECIFICATIONS

## Postgraduate courses

*(Master)*

**Prepared By**

*Histology Department*

---

<table>
<thead>
<tr>
<th>University: Benha</th>
<th>Faculty: Veterinary Medicine</th>
</tr>
</thead>
</table>

**Course Title:** Histology and histochemistry of integument and hoof

**Course No.:** 14

**Department offering the course:** Histology & cytology Department

**Program(s) on which the course is given:** Master Degree in Veterinary science (Histology & cytology)

**Academic year / Level:** 2011-2012

**Date of specification approval:** /2012

---

### A- Basic Information

**Title:** Histology and histochemistry of integument and hoof

**Credit Hours:**

<table>
<thead>
<tr>
<th>Lecture: 2</th>
<th>Tutorial:</th>
<th>Practical: 2</th>
<th>Total: 4/w</th>
</tr>
</thead>
</table>

---

### B- Professional Information

1 - **Overall Aims of Course:** The postgraduate student gain the experience in identifying the Histology and histochemistry of integument and hoof.

2 - **Intended Learning Outcomes of Course (ILOs)**

#### A-Knowledge and Understanding:

A1- Define the different scientific bases in histology and histochemistry of the integument of different animals.

A2- Define the different scientific bases in histology and histochemistry of the hoof and claw of different animals.

A3- Mention knowledge of best recent practice in veterinary histology and
hypothesis of the hoof and integument.

A4- Realize How can write a thesis and research proposal.

A5- Identify the plan work within the governmental frame work regulation in animal experiments

A6- Recognize the ability to collate different pieces of accurate information.

**B-Intellectual Skills**

**B1- Design a research proposal in the area of specialization**

**B2 - Estimate, Identify and evaluate the articles and collected research papers in** histology and histochemistry of the hoof  and integument **in different animals.**

**B3-Criticize and Assess their own research data regarding the research area**

**B4-Comment accurately upon the obtained results on his given results**

**B5-Determine area where further research is necessary and be aware beyond current ethical codes List**

**C-Professional and Practical Skills**

C1- Write correctly the report of the skin and hoof in animals.

C2- Perform relevant statistical analysis on data obtained from own research which support his practical skills.

C3- Conduct research project using appropriate range of experimental techniques

**D-General and Transferable Skills**

**D1-Problem solving skills**

**D2-Communication skills**

**D3-Information technology skill**

**D4 - Continuous self learning (life long learning)**

**D5- Focus in his role in community development**

**E1- Scientific integrity**
3. Contents

<table>
<thead>
<tr>
<th>Topic</th>
<th>No. of hours</th>
<th>Lecture</th>
<th>Practical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin</td>
<td>2</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Skin appendages</td>
<td>3</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Modified skin glands</td>
<td>2</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Hoof</td>
<td>3</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Claws</td>
<td>2</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>seminar</td>
<td>5</td>
<td>5</td>
<td>0</td>
</tr>
</tbody>
</table>

4- Teaching and Learning Methods

4.1-lectures

4.2-Practical

4.3- practical training on living animals

4.4-reports

5- Student Assessment Methods

5.1 mid year work                  to assess student ability discussion his attendants
5.2 oral examination              to assess ability to demonstrate his knowledge
5.3 practical exam                to assess practical skills
5.4 final exam                    to assess different skills

Assessment Schedule

<table>
<thead>
<tr>
<th>Assessment 1</th>
<th>7th week</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Assessment 2</td>
<td>Week 14th</td>
</tr>
<tr>
<td>Assessment 3</td>
<td>Week 15th</td>
</tr>
<tr>
<td>Assessment 4</td>
<td>Week 16th</td>
</tr>
</tbody>
</table>

Weighting of Assessments

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Mid-year Examination</td>
<td>10%</td>
</tr>
<tr>
<td>Final-term Examination</td>
<td>50%</td>
</tr>
<tr>
<td>Oral Examination</td>
<td>10%</td>
</tr>
<tr>
<td>Assessment Type</td>
<td>Percentage</td>
</tr>
<tr>
<td>-------------------------------------</td>
<td>------------</td>
</tr>
<tr>
<td>Practical Examination</td>
<td>15%</td>
</tr>
<tr>
<td>Semester Work</td>
<td>15%</td>
</tr>
<tr>
<td>Other types of assessment</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>

6- List of References

6.2. Essential books (Text books):

7- Periodicals, Web sites, etc


[http://www.pubmed.com](http://www.pubmed.com)

[http://www.sciencedirect.com](http://www.sciencedirect.com)
7- Facilities Required for Teaching and Learning
Data show, TV
Histology lab
Library

Course Coordinator: Prof. Dr. Ihab El-Zoghby

Head of Department: Prof. Dr. Ihab El-Zoghby
Date: May/2010