Course Specifications
(Forensic Medicine)

Benha University
Faculty of veterinary medicine

Programme(s) on which the course is given: Bachelor of veterinary medical science

Department offering the course: Department of Forensic Medicine and Toxicology

Academic year / level: 4th year, 1st semester

Date of specification approval minstrel decree No 921, on 15/9/1987
(Then approved in this template by department council on 13/10/2009)

A- Basic Information

Title: Forensic Medicine
Code: Vet 00645
Credit hours: ------
Lecture: 2 hour
Tutorial: ----- Practical: 3 hours Total: 5 hours

B- Professional Information

1- Overall aims of course
To provide candidate with basic information about veterinary medicine and skills required for identification of dead body, cause of death and criminal evaluation.

2- Intended learning outcomes of the course (ILOs)

a- Knowledge and understanding

The graduates should be able to:

a1- Know the basic knowledge of forensic medicine and forensic terminology.

a2- Mention the appropriate steps for identification of living or dead body.

a3- Identify causes of death and time passing after death, Burn, Wound and Asphyxia.

a4- Know the appropriate methods for criminal analysis.

a5- Recognize the medico legal important for each examined point

a6- Describe steps needed for writing a forensic report.

b- Intellectual skills

The graduates should be able to:

b1- Illustrate problem list
b2- Demonstrate how case history, signs, P.M examination managed
b3- Interpret the medico legal important of data collected.
b4- Analyze the results obtained from their investigation and their value.
b5- Practise to solve criminal problems.

c- Professional and practical skills
Graduates must attain the capacity to :-
c1- Use safely , correctly and humanely restrain animals for examination.
c2- Carry out the history whether for individual or a group of animals.
c3- Perform P.M examination and collect relevant samples.
c4- Use more recent advanced techniques.
C5-Write a report to explain causes of the criminal problems.
C6- Use appropriate safety procedures to protect themselves and co-workers.

d- General and transferable skills
Graduates must have the ability to:-
d1- Working under pressure.
d2- Working in team.
d3- Utilize computer and different multimedia.
d4- Search for new technological methods for practical diagnosis.

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- Signs of death</td>
<td>8</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>2- Identification</td>
<td>13</td>
<td>5</td>
<td>8</td>
</tr>
<tr>
<td>3- Blood spots</td>
<td>7</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>4- Adulteration</td>
<td>6</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>5- wound,Fire arm &amp; burns</td>
<td>18</td>
<td>8</td>
<td>10</td>
</tr>
<tr>
<td>6- Asphyxia &amp; Medical ethics</td>
<td>10</td>
<td>6</td>
<td>4</td>
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<tr>
<td>7- Vet. Jorseprodeuce</td>
<td>8</td>
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<td>8</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>70</strong></td>
<td><strong>28</strong></td>
<td><strong>42</strong></td>
</tr>
</tbody>
</table>

4- Teaching and learning methods

4.1- Lectures
4.2- Practical sessions
4.3- Small groups teaching
4.4- Assay and seminars.
4- content-ILOs matrix

<table>
<thead>
<tr>
<th>Content</th>
<th>Knowledge and understanding</th>
<th>Intellectual</th>
<th>Professional and practical</th>
<th>General and transferable</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIGNS OF DEATH</td>
<td>A3,a5,a6</td>
<td>B1,b3,b4</td>
<td>C1,c2,c3</td>
<td>D1,d2,d3</td>
</tr>
<tr>
<td>IDENTIFICATION</td>
<td>A2,a5,a6</td>
<td>B4,b5</td>
<td>C2,c5</td>
<td>D1,d2,d3</td>
</tr>
<tr>
<td>BLOOD SPOT</td>
<td>A4,a5,a6</td>
<td>B3,b4,b5</td>
<td>C1,c4,c5</td>
<td>D1,d2,d4</td>
</tr>
<tr>
<td>ADULTERATION</td>
<td>A4,a6</td>
<td>B1,b5</td>
<td>C2,c5,c6</td>
<td>D1,d2,d4</td>
</tr>
<tr>
<td>WOUND,FIR ARM &amp; BURN</td>
<td>A4,a6,a5</td>
<td>B3,b4,b5</td>
<td>C2,c3,c5</td>
<td>D1,d2</td>
</tr>
<tr>
<td>ASPHYXIA &amp; MEDICAL ETHICS</td>
<td>A4,a5,a6</td>
<td>B1,b2,b5</td>
<td>C1,c3,c5,c6</td>
<td>D1,d2,d3,d4</td>
</tr>
<tr>
<td>VET. JORSEPRODUSE</td>
<td>A1,a6</td>
<td>B1,b5</td>
<td>C4,c5</td>
<td>D3,d4</td>
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</tbody>
</table>

5- Assessment-ILOs matrix

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Knowledge and understanding</th>
<th>Intellectual</th>
<th>Professional and practical</th>
<th>General and transferable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mid term</td>
<td>A1,a2,a3</td>
<td>B1,b2,b3</td>
<td>C2,c5</td>
<td>D1</td>
</tr>
<tr>
<td>Practical work</td>
<td>A4</td>
<td>B4</td>
<td>C1,c3,c4</td>
<td>D1</td>
</tr>
<tr>
<td>Semester work</td>
<td>A1,a5,a6</td>
<td>B2,b3,b4</td>
<td>C2,c4,c5</td>
<td>D2,d3,d4</td>
</tr>
<tr>
<td>Oral exam</td>
<td>A1,a2,a3,a4,a5</td>
<td>B1,b2,b3,b4</td>
<td>C2,c4,c6</td>
<td>D1</td>
</tr>
<tr>
<td>Final exam.</td>
<td>A1,a2,a3,a4,a5,a5</td>
<td>B1,b2,b3,b4,b5</td>
<td>C1,c2,c3,c5,c6</td>
<td>D1</td>
</tr>
</tbody>
</table>

5- Student assessment methods

5.1- Mid term examination to assess the understanding and follow up of the course
5.2- Practical examination to assess the application of professional skills
5.3- Oral examination to assess how to define, use, and spell each of the forensic terms
5.4- Written examination to assess the knowledge and intellectual skills
Assessment schedule

Assessment 1  Mid term examination  week 7
Assessment 2  Practical examination  week 13
Assessment 3  Written examination  week 15
Assessment 2  Oral examination  week 15

Weighting of assessments

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Weighting</th>
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</thead>
<tbody>
<tr>
<td>Mid term examination</td>
<td>10%</td>
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<tr>
<td>Final term examination</td>
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</tr>
<tr>
<td>Oral examination</td>
<td>10%</td>
</tr>
<tr>
<td>Practical work</td>
<td>20%</td>
</tr>
<tr>
<td>Semester work</td>
<td>10%</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
</tr>
</tbody>
</table>

6- List of references

6.1- Course notes
   - Forensic medicine and advance forensic medicine

6.2- Essential books (text books)
   - Atlas of vet. Forensic medicine

6.3- Recommended books
   - Forensic medicine and toxicology
   - Veterinary forensic medicine

7- Facilities required for teaching and learning
   - Laboratory.
   - Lab animals.
   - Data show.
   - Computer.

Course coordinator: Prof. Nabila Mahmmoud
Head of department: Prof. Nabila mahmoud
Date: 6-1-2011