

## 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 **4<sup>th</sup> year, 1<sup>st</sup> semester**

Date of specification approval ministrel 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**

| Topic                     | No. of hours | Lecture   | Practical |
|---------------------------|--------------|-----------|-----------|
| 1- Signs of death         | 8            | 4         | 4         |
| 2- Identification         | 13           | 5         | 8         |
| 3- Blood spots            | 7            | 3         | 4         |
| 4- Adulteration           | 6            | 2         | 4         |
| 5-wound,Fire arm &burns   | 18           | 8         | 10        |
| 6-Asphyxia&Medical ethics | 10           | 6         | 4         |
| 7- Vet. Jorseprodeuce     | 8            | -         | 8         |
| <b>Total</b>              | <b>70</b>    | <b>28</b> | <b>42</b> |

**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

| Content                   | ILOs                        |              |                            |                          |
|---------------------------|-----------------------------|--------------|----------------------------|--------------------------|
|                           | Knowledge and understanding | Intellectual | Professional and practical | General and transferable |
| SIGNS OF DEATH            | A3,a5,a6                    | B1,b3,b4     | C1,c2,c3                   | D1,d2,d3                 |
| IDENTIFICATION            | A2,a5,a6                    | B4,b5        | C2,c5                      | D1,d2,d3                 |
| BLOOD SPOT                | A4,a5,a6                    | B3,b4,b5     | C1,c4,c5                   | D1,d2,d4                 |
| ADULTERATION              | A4,a6                       | B1,b5        | C2,c5,c6                   | D1,d2,d4                 |
| WOUND,FIR ARM & BURN      | A4,a6,a5                    | B3,b4,b5     | C2,c3,c5                   | D1,d2                    |
| ASPHYXIA & MEDICAL ETHICS | A4,a5,a6                    | B1,b2,b5     | C1,c3,c5,c6                | D1,d2,d3,d4              |
| VET. JORSEPRODUCE         | A1,a6                       | B1,b5        | C4,c5                      | D3,d4                    |

#### 5- Assessment-ILOS matrix

| Assessment     | ILOs                        |                |                            |                          |
|----------------|-----------------------------|----------------|----------------------------|--------------------------|
|                | Knowledge and understanding | Intellectual   | Professional and practical | General and transferable |
| Mid term       | A1,a2,a3                    | B1,b2,b3       | C2,c5                      | D1                       |
| Practical work | A4                          | B4             | C1,c3,c4                   | D1                       |
| Semester work  | A1,a5,a6                    | B2,b3,b4       | C2,c4,c5                   | D2,d3,d4                 |
| Oral exam      | A1,a2,a3,a4,a5              | B1,b2,b3,b4    | C2,c4,c6                   | D1                       |
| Final exam.    | A1,a2,a3.a4.a5.a5           | B1,b2,b3,b4,b5 | C1,c2,c3,c5,c6             | D1                       |
|                |                             |                |                            |                          |
|                |                             |                |                            |                          |
|                |                             |                |                            |                          |

#### 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

|                        |      |
|------------------------|------|
| Mid term examination   | 10%  |
| Final term examination | 50%  |
| Oral examination       | 10%  |
| Practical work         | 20%  |
| Semester work          | 10%  |
| Total                  | 100% |

### 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**