**1-Basic information**

|  |  |
| --- | --- |
| **Course Code:** | **EVR-2226** |
| **Course title :** | **Ethics in Veterinary Practice and Research**  |
| **Academic year:** | 2nd academic Year |
| **Program title:** | B.V. Sc. (Veterinary Medical Sciences) |
| **Contact hours/ week** | 2 hours/week, (1 Lect./week, 1 Practical/week) |
| **Approval Date** |  |

**2-Professional information**

**Overall aims of course**:

**This course aims to:**

1- Acquire concept of animal welfare

2- Identify different methods of animal enrichment.

3- Know the different animal welfare and wrights.

**- Intended learning outcomes of course (ILOs)**

**a-Knowledge and understanding:**

**By the end of this course the student should be able to:**

a1- Identify welfare indicators.

a2- Summarize different animal, poultry and fish welfare problems.

a3- List the categories of five freedoms.

a4- Enumerate different types of enrichment.

a5- List the different methods of euthanasia.

**b-Intellectual skills**

**By the end of this course the student should be able to:**

b1- Relate between welfare and disease susceptibility.

b2-Differentiate between short and long term welfare problems.

b3- Relate enrichment and welfare

b4- Interpret welfare indicator in animal, poultry and fish.

**c-Professional and practical skills**

**By the end of this course the student should be able to:**

c1- Assess short and long term welfare problems.

c2- Apply the best methods used for improvement animal welfare.

c3- Detect the possible causes of welfare problems.

c4- Perform the different methods of euthanasia

**d-General and transferable skills**

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

d1- Work in a group.

d2- Manage time.

d3- Work under pressure and or contradictory conditions

**4-Topics and contents**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Course** | **Topic** | **No. of hours** | **Lectures** | **Practical** |
| 2nd yearEthics in Veterinary Practice and Research **(Lec. 1h./week, Pract. 1h./week)** | **Concept of animal welfare** | 2 | 2 | - |
| **Welfare assessment** | 4 | 2 | 2 |
| **Welfare in relation to diseases.** | 3 | 2 | 1 |
| **Cattle welfare problems** | 3 | 2 | 1 |
| **Sheep welfare problems** | 2 | 1 | 1 |
| **Poultry welfare problems** | 4 | 2 | 2 |
| **Fish welfare problems** | 3 | 2 | 1 |
| **Environmental Enrichment** | 3 | - | 3 |
| **Euthanasia**  | 3 | - | 3  |
| Total  | 26 |

**5-Teaching and learning methods**

5.1- Lectures, brain storm, discussion… using board, data shows and multimedia aids.

5.2- Self learning by preparing essays and presentations (computer researches and faculty library)

**6-Student assessment**

**6.1. Assessments methods:**

|  |  |
| --- | --- |
| **Method** | Matrix alignment of the measured ILOs/ Assessments methods |
| **K&U** | **I.S** | **P&P.S** | **G.S** |
| Writing Exam | a1,a2, a3,a4 | b1,b2,b3,b4 |  |  |
| Student activities |  |  | c1,c2c3,c4 | d1,d2,d3 |

**6.2. Assessment schedules/semester:**

|  |  |
| --- | --- |
| **Method** | **Week(s)** |
| Writing exams | Managed by administrator  |
| Student activities | Throughout the semester |

**6.3. Weight of assessments:**

|  |  |
| --- | --- |
| Assessment | Weight of assessment |
| Final exams | 90 |
| Student activities  | 10 |
|  | 100% |

**7- List of references**

**7.1. Essential books:**

- **Fraser, A.F. and Broom, D.M. ( ):** Farm Animal Behaviour and Welfare

- **Katherine A. Houpt ( ):** Domestic Animal Behaviour for Veterinarians and Animal Scientists

- **Drickamer, L.C., Vessey, S.H. and Meikle, D. ( ):** Animal Behaviour

- **Sherman, P.W. and Alcock, J. ( ):** Exploring Animal Behaviour

- **Ploger, B.J. and Yasukawa, K. ( )** Exploring Animal Behaviour in Laboratory and Field

These books are available at the library of faculty of veterinary medicine- Beni Suef

- **7.2. Recommended texts**

-Farm animal behaviour.characteristics for assesment of health and welfare (Ekesbo)

-Scientific assesment and management of animal pain,technical series vol.10,2008.( D.Mellor,P.Thomber,D.Bayvel&S.Kahn.)

**7.3. Journals, Websites ……..etc**

**Journals:**

- Poultry Science

* Journal of Animal Science
* Animal Welfare

**Websites:**

**Course Coordinators Head of Department**

**Dr. Naglaa Mohamed Abdel-Azeem Prof.Dr. Hosny Hafez Emeash**

|  |  |  |
| --- | --- | --- |
| **Topic** | **Week** | **Intended learning outcomes of course (ILOs)** |
| **K&U (a)** | **I.S (b)** | **P.P.S (c)** | **G.T.S (d)** |
| **Concept of animal welfare** | 1-2 | 1,3 |  |  | 1,2 |
| **Welfare assessment** | 3-4 |  | 2 | 1,3 | 1,2 |
| **Welfare in relation to diseases.** | 5-6 |  | 1 |  | 1,2 |
| **Cattle welfare problems** | 7-8 | 1,2 | 4 | 2,3 | 1,2 |
| **Sheep welfare problems** | 9 | 1,2 | 4 | 2,3 | 1,2 |
| **Poultry welfare problems** | 10-11 | 1,2 | 4 | 2,3 | 1,2,3 |
| **Fish welfare problems** | 12-13 | 1,2 | 4 | 2,3 | 1,2,3 |
| **Environmental Enrichment** | 5-7 | 4 | 3 |  | 1,2,3 |
| **Euthanasia** | 8-9 | 5 |  | 4 | 1,2,3 |