Course specification

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:

The aim of the course is to provide the students with knowledge about the concept of animal welfare, methods of assessment, the difference between animal welfare and rights and the common welfare problems in farm animals, poultry and fish.

- 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

Course specification

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 year Ethics 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	-	2
	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

Course specification

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.(1990):** Farm Animal Behaviour
- **Fraser, A.F. and Broom, D.M.** (1990): Farm Animal Behaviour and Welfare
- **Payne, W.J. (1999):** An Introduction to Animal Husbandry in the Tropics
- **Brown, J.H., Sarah Pilliner and Davies, Z. (**1984 **):** Horse and Stable Management
- **Webster, J (1993):** Understanding dairy cow
- **Katherine A. Houpt** (2018): Domestic Animal Behaviour for Veterinarians and Animal Scientists
- **Phillips, C. (2002):** Cattle Behaviour and Welfare
- **Drickamer, L.C., Vessey, S.H. and Meikle, D. (**2018 **):** Animal Behaviour

- **Sherman, P.W. and Alcock, J.** (**2005):** Exploring Animal Behaviour
- **Ploger, B.J. and Yasukawa, K. (2002):** 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

Course specification

Websites:

Course Coordinators	**Head of Department**
Dr. Naglaa Mohamed Abdel-Azeem	**Prof.Dr. Hosny Hafez Emeash**

Course specification

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	2-1	1,3			1,2
Welfare assessment	4-3		2	1,3	1,2
Welfare in relation to diseases.	6-5		1		1,2
Cattle welfare problems	8-7	1,2	4	2,3	1,2
Sheep welfare problems	9	1,2	4	2,3	1,2
Poultry welfare problems	11-10	1,2	4	2,3	1,2,3
Fish welfare problems	13-12	1,2	4	2,3	1,2,3
Environmental Enrichment	7-5	4	3		1,2,3
Euthanasia	9-8	5		4	1,2,3