

Specification for Animal, poultry and fish Feeding and malnutrition course 2019/2020

A-Affiliation

1.	Relevant program	Bachelor of Veterinary Medical Science (BVMSc)
2.	Department offering the course	Nutrition and Clinical Nutrition

Date of specification approval: ministerial decree No. 1727 on 26/4/2017
(Approved in this template by the department council on 1/10/2019)

B-Basic information

1.	Course title	Animal, Poultry and Fish Feeding & Malnutrition Diseases (B)
2.	Course code	313 (B) II
3.	Level	3 rd year
4.	Semester	2 nd semester
5.	Total hours/week	4
6.	Lecture hours/week	2
7.	Practical hours/week	2

C-Professional Information

1- Course learning objectives

The aim of the course is to provide the students with a basic educational knowledge in the field of Animal, Poultry and Fish Nutrition and to enable them to gain the skills and attitudes required for the practice of ration formulation for farm animals and being experienced in animal feed preparation.

2- Intended learning outcomes of the course (ILOs):

a- Knowledge and understanding

After successful completion of the course the students should be able to:

- a.1. Define basics nutrition in poultry, rabbits, fish, dairy, productive and reproductive animals.
- a.2. Record the basic knowledge about function, sources and deficiency diseases of nutrients in poultry, rabbits, fish, dairy, productive and reproductive animals .
- a.3. Describe the basic knowledge about the nutrient requirements of different animal species and its relation with the suitable feedstuffs.
- a.4. Understand the proper use of different feedstuffs in the local environment to achieve maximum production in poultry, rabbits, fish, dairy, productive and reproductive animals

b- Intellectual skills

After successful completion of the course the students should be able to:

- b.1. Interpret the fitness of feedstuffs for feeding in poultry, rabbits, fish, dairy, productive and reproductive animals.
- b.2. Apply the best method of poultry, rabbits, fish, dairy, productive and reproductive animals feeding to achieve maximum production and least cost of ration.
- b.3. Plan to solve problems associated with poultry, rabbits, fish, dairy, productive and reproductive animals feeding

c- Professional and practical skills

After successful completion of the course the students should be able to:

- c.1. Solve nutritional problems and suggestions to improve the production ability of an animal enterprise.
- c.2. Evaluate the problems of feed preparation and explain the methods of solving in quick and reliable manner.
- c.3. Perform and practices the best and reliable method of ration formulation

d- General and transferable skills

After successful completion of the course the students should have the following skills

- d.1. Solve problems associated with animal nutritional diseases.
- d.2. Research skill
- d.3. Work in a team during group assignments
- d.4. Communicate with other professional persons in the nutritional field.
- d.5. Presentation skills: capacity to make oral presentations

3- Course contribution in the program ILOs:

Course ILOS	Program ILOS
A Knowledge and understanding	a ⁶
B Intellectual skills	b ²
C Professional and practical skills	c ⁷
D General and transferable skills	d ^{1,4,5,6}

3.1- Course contents:

Topic	Lecture hours	Practical hours
Feeding standards for maintenance, growth and fattening	4	-
Requirements of reproduction, lactation, work, wool and production	8	-
Special feeding of dairy and beef cattle	6	-
Special feeding of camel and horse	2	-
Special feeding of sheep and goat	2	-
Special feeding of rabbits, fish, and poultry	6	-
special feeding of pet, laboratory, wild, and zoo animals	2	-

Clinical nutrition	-	2
Ration formulation for different animal species	-	24
Feed preparation and processing	-	2
Feed storage and storage problems	-	2
Total hour	30	30

The midterm and practical exams are included during the semester

3.2- ILOs matrix:

Topic	A) Knowledge and understanding	B) Intellectual skills	C) Professional and practical skills	D) General and transferable skills
Feeding standards for maintenance, growth and fattening	a1, a3, a4,	b1, b2,	c1,	d1, d5, d6
Requirements of reproduction, lactation, work, wool and production	a1, a2, a3,a4,	b1, b2,b3,	c1, c2 , c3,	d1, d2,d3, d4, d5,
Special feeding of dairy and beef cattle	a1, a2, a3,a4,	b1, b2,b3,	c1, c2 , c3,	d1, d2,d3, d4, d5,
Special feeding of camel and horse	a1, a2, a3,a4,	b1, b2,b3,	c1, c2 , c3,	d1, d2,d3, d4, d5,
Special feeding of sheep and goat	a1, a2, a3,a4,	b1, b2,b3,	c1, c2 , c3,	d1, d2,d3, d4, d5,
Special feeding of rabbits, fish, and poultry	a1, a2, a3,a4,	b1, b2,b3,	c1, c2 , c3,	d1, d2,d3, d4, d5,
special feeding of pet, laboratory, wild, and zoo animals	a1, a2, a3,a4,	b1, b2,b3,	c1, c2 , c3,	d1, d2,d3, d4, d5,
Clinical nutrition	a1, a2, a3,a4,	b1, b2,b3,	c1, c2 , c3,	d1, d2,d3, d4, d5,
Ration formulation for different animal species	a1, a2, a3,a4,	b1, b2,b3,	c1, c2 , c3,	d1, d2,d3, d4, d5,
Feed preparation and processing	a1, a2, a3,a4,	b1, b2,b3,	c1, c2 , c3,	d1, d2,d3, d4, d5,
Feed storage and storage problems	a1, a2, a3,a4,	b1, b2,b3,	c1, c2 , c3,	d1, d2,d3, d4, d5,

4- Teaching, learning and assessment methods:

ILOs	Teaching and Learning methods						assessment method				
	L	P&M	D&S	P	Ps	Bs	semester	midterm	oral	practical	written

and understandi	a1	x	x	x	0	0	x	x	x	x	0	x
	a2	x	x	x	0	0	x	x	x	x	0	x
	a3	x	x	x	0	0	x	x	0	x	0	x
	a4	x	x	x	0	0	x	x	0	x	0	x
ence ual	b1	x	x	x	0	x	0	x	x	x	0	x
	b2	x	x	x	0	x	0	x	x	x	0	x
	b3	x	x	x	0	x	0	x	0	x	0	x
onal and practical	c1	0	x	x	x	x	0	x	0	x	x	x
	c2	0	x	x	x	x	0	x	0	x	x	x
	c3	0	x	x	x	x	0	x	0	x	x	x
General skills	d1	x	0	0	x	x	0	x	0	x	x	x
	d2	0	x	0	0	x	x	x	0	x	x	x
	d3	0	0	x	x	x	x	x	0	0	0	0
	d4	x	0	0	x	0	0	x	0	x	0	0
	d5	0	x	0	x	0	0	x	0	x	0	0

L :Lecture, P&M: Presentations & Movies, D&S: Discussions & Seminars P: Practical, Ps: Problem solving, Bs: Brain storming

5- Assessment timing and grading:

Assessment method	timing	grade
Mid-term exam and semester work	6 th week	15
Practical exam	14 th week	20
oral exam	End of semester	15
Written exam	End of semester	50
total		100

6- List of references

6.1- Course notes: department course note

6.2- Essential books (text books)

- Guoyao Wu (2018) Principles of animal nutrition.
- Lokesh Gupta (2011) Animal Nutrition: Advancements In Feeds And Feeding Of Livestock.
- Wilson G. Pond (2008) Basic Animal Nutrition and Feeding

6.3- Recommended books

- Course note.
- Guoyao Wu (2018) Principles of animal nutrition.
- Wilson G. Pond (2008) Basic Animal Nutrition and Feeding.

6.4- Periodicals, Web sites, . . . etc

- Journal of American Veterinary Medical Association.
- Nutritional Abstract and Review.
- Veterinary Bulletin
- Archives of Animal Nutrition
- www.ekb.eg

7- Facilities required for teaching and learning

- Data show.
- White board.
- Nutrition laboratory
- Unit for experimental and lab animals.
- Farm animals education

Course coordinator: Prof. Dr. NASSER ELSAYED ABDEL-MOTALEB KHEDDR.

Head of department Prof. Dr. NASSER ELSAYED ABDEL-MOTALEB KHEDDR

Signature

Date 1/10/2019

