



## Academic Programs

جامعة الزقازيق  
كلية الطب البيطري  
قسم التغذية و التغذية الاكلينيكية

Diploma of  
Nutrition and  
Clinical Nutrition

Master of  
Nutrition and  
Clinical Nutrition

PhD of Nutrition  
and Clinical  
Nutrition

### Also Teaching:

The course of Nutrition and Clinical Nutrition  
for Undergraduate Students (thrid Year).

Nutrition and Clinical Nutrition ' courses in 11 diplomas belonged to  
different departments.



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graph TD; A[Courses of Diploma of Nutrition and Clinical Nutrition] --> B[Analysis of feed stuffs]; A --> C[Feed additives]; A --> D[Physiology of digestion and metabolism]; A --> E[Applied nutrition]; A --> F[Basic nutrition]; D --> G[Is taught in Department of physiology];
```

## **Courses of Diploma of Nutrition and Clinical Nutrition**

**Analysis of feed  
stuffs**

**Feed additives**

**Physiology of  
digestion and  
metabolism**

**Applied  
nutrition**

**Basic nutrition**

**Is taught in  
Department of  
physiology**

**Courses of Nutrition and Clinical Nutrition  
taught with other Diplomas in Different  
Departments**

Basic  
nutrition  
diploma of  
(ostrich  
diseases)

Animal  
nutrition  
(diploma of  
experimental  
animals)

nutrition  
and  
clinical  
nutrition  
diploma )  
of farm  
animal  
(diseases

Nutrition  
of horse  
(diploma of  
horses  
(diseases

Applied  
nutrition  
(diploma  
of wild  
animal)

feeding of  
farm  
animal  
(diploma  
of animal  
production  
)

Nutrition  
and  
Clinical  
Nutrition(  
diploma of  
animal  
welfare)

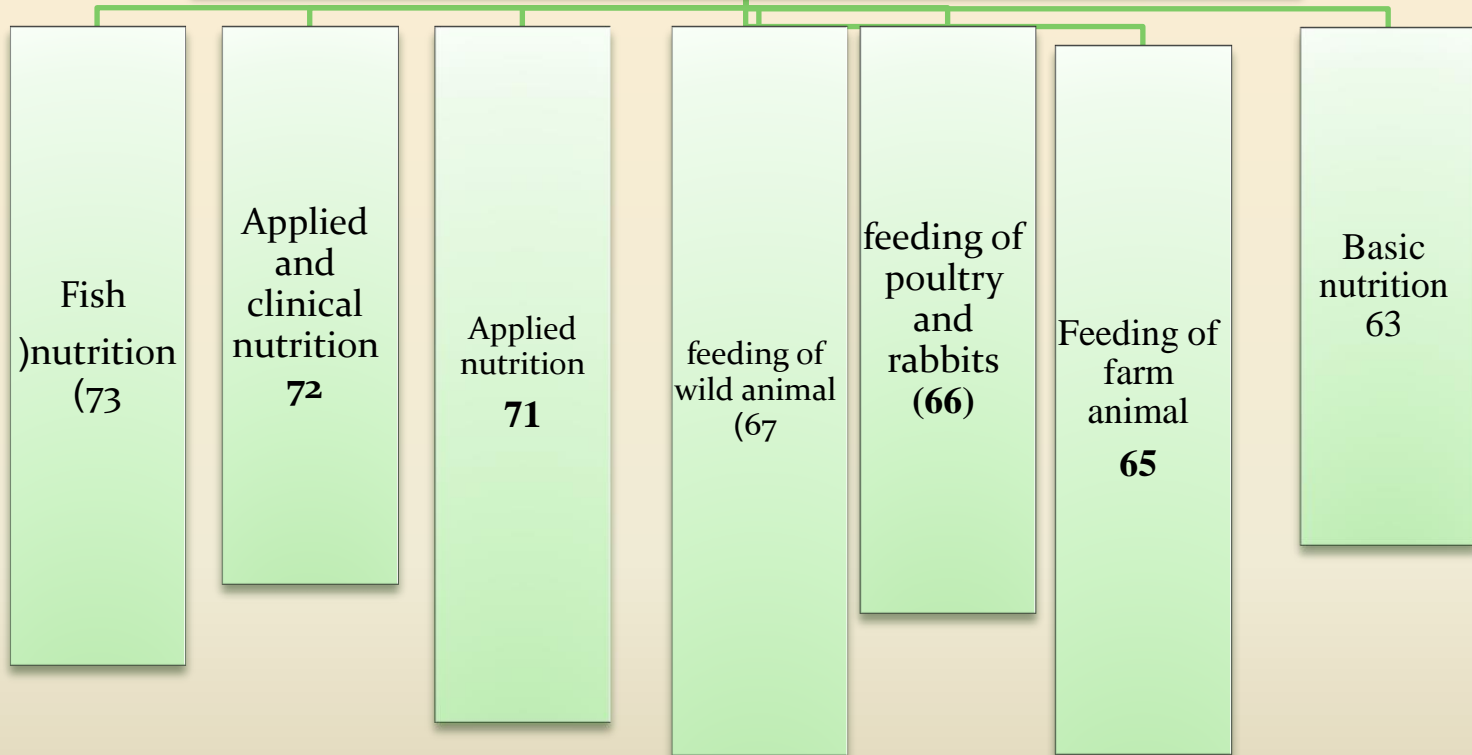
Fish  
nutrition  
(diploma  
of fish  
welfare)

Fish  
nutrition  
(diploma  
of fish  
diseases  
)

Nutrition  
and  
Clinical  
nutrition  
(diploma  
of  
diseases  
of farm  
animal)

Diploma of  
poultry and  
rabbits

## Courses of The Master of nutrition and clinical nutrition



**Courses of PhD of nutrition and clinical nutrition**

**Analysis  
of feed  
stuffs  
70**

**Feed  
additives  
69**

**Nutrition  
of lab  
animal  
68**

**Feed stuff  
64**

# Syllabus of Nutrition and clinical Nutrition For Undergraduate Students (3<sup>rd</sup> Year)

## Second term

## First term

### Maintenance requirements

Nutrient requirement for growth and fattening and feeding of fattening cattle

Nutrient requirement for lactation and feeding of sheep

Nutrient requirement for lactation and feeding of dairy cattle

Nutrient requirement and feeding of calf

Nutrient requirement and feeding of pet animals

Nutrient requirement for reproduction

Nutrient requirement for rabbits

Nutrient requirement and feeding of poultry

Nutrient requirement for growth and fattening and feeding of fattening cattle

Nutrient requirement and feeding of horse

Nutrient requirement and feeding of fish

Nutrient requirement and feeding of ostrich

Nutrient requirement and feeding of camel

Nutrient requirement and feeding of laboratory animals

### CHAPTER 1.

#### THE COMPONENTS OF PLANTS AND ANIMALS.

#### ▪ CHAPTER 2.

#### WATER AND METABOLISM.

#### ▪ CHAPTER 3.

#### CARBOHYDRATES (SACCHARIDES).

#### ▪ CHAPTER 4.

#### PROTEIN AND THEIR METABOLISM.

#### ▪ CHAPTER 5.

#### LIPIDS AND THEIR METABOLISM.

#### ▪ CHAPTER 6.

#### MINERAL NUTRITION INTRODUCTION.

#### ▪ CHAPTER 7.

#### VITAMINS (LIFE + AMINE).

#### ▪ CHAPTER 8.

#### FEED ADDITIVES.