**Nutrition (NCN. 316)**

**Overall aims of the Course:**

1- Study of nutrition and veterinary dietetics. Assimilation, utilization and inadequacy of nutrients as well as chemical composition, evaluation and uses of feeding stuffs are principles for understanding the course. Study of nutrient requirements and applied nutrition for maintenance, poultry, rabbits, fish and other aquatic animals are essential goals. Understanding feed processing and feed laws are necessary for achieving the objectives.

2- Study the different nutrients, metabolic functions and their malnutrition.

3- Apply the different methods for feedstuff evaluation.

**Course contents:**

* Introduction: Animal, plant & water
* Technical terms, Chemical Analysis of feeds
* Carbohydrates & Lipids
* Proximate Analysis of feeds
* Proteins
* Classification of feeding stuff+ Carbonaceous concentrate
* Macro-minerals
* Carbonaceous concentrates
* Micro-Minerals
* Nitrogenous concentrates of plant origin
* Fat-soluble vitamins
* Nitrogenous concentrates of animal origin
* Water- soluble vitamins
* Green fodder, dry roughages & Preservation of feeds
* Evaluation of feeds
* Poultry diet formulation
* Poultry Nutrition
* Feed additives
* Metabolic disorders