



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

|                                                  |   |                                                                                                                                                                                                           |                      |                                                                      |   |                                |   |            |   |
|--------------------------------------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------------------------------------------------------|---|--------------------------------|---|------------|---|
| Course Title                                     |   | Nutritional Diseases                                                                                                                                                                                      |                      |                                                                      |   |                                |   |            |   |
| Course Code                                      |   | VHB532                                                                                                                                                                                                    |                      | Course Level                                                         |   | Second Cycle (Master's Degree) |   |            |   |
| ECTS Credit                                      | 4 | Workload                                                                                                                                                                                                  | 104 ( <i>Hours</i> ) | Theory                                                               | 2 | Practice                       | 0 | Laboratory | 0 |
| Objectives of the Course                         |   | Educating of masters who got sufficient knowledge about nutritional diseases.<br>To get ability to masters for practice of all information which were given them in theoretic and practically in lessons. |                      |                                                                      |   |                                |   |            |   |
| Course Content                                   |   | Give to basic principles about preparation of rations for protection from nutritional diseases or recovery of animal after nutritional diseases                                                           |                      |                                                                      |   |                                |   |            |   |
| Work Placement                                   |   | N/A                                                                                                                                                                                                       |                      |                                                                      |   |                                |   |            |   |
| Planned Learning Activities and Teaching Methods |   |                                                                                                                                                                                                           |                      | Explanation (Presentation), Discussion, Case Study, Individual Study |   |                                |   |            |   |
| Name of Lecturer(s)                              |   | Lec. Onur TATLI                                                                                                                                                                                           |                      |                                                                      |   |                                |   |            |   |

### Assessment Methods and Criteria

| Method              | Quantity | Percentage (%) |
|---------------------|----------|----------------|
| Midterm Examination | 1        | 28             |
| Final Examination   | 1        | 60             |
| Assignment          | 5        | 12             |

### Recommended or Required Reading

|   |                                                                                                                                                                                             |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Umucalılar H.D., Gülşen, N. (2005) Çiftlik Hayvanlarında Beslenme Hastalıkları, S.Ü. Basımevi.Frape, D. (1986).                                                                             |
| 2 | Aytuğ, C.N., Yalçın, B.C., Alaçam, E., Türker, H., Özkoç, Ü., Gökçen, H. (1990) Koyun ve Keçi Hastalıkları ve Yetiştiriciliği, Teknografik Matbaası, TÜM VET Hayvancılık Hizmetleri Yayını. |
| 3 | Göksoy, Ş.K. (2003) Çiftlik Hayvanlarında Beslenme Hastalıkları, TDV Yayın Matbaacılık İşletmesi, Ankara.                                                                                   |
| 4 | Burger, I. (1993) The Waltham Book of Companion Animal Nutrition, Pergamon Press Oxford, England.                                                                                           |

| Week | Weekly Detailed Course Contents |                                                                    |
|------|---------------------------------|--------------------------------------------------------------------|
| 1    | Theoretical                     | Definition and classification of nutritional diseases              |
| 2    | Theoretical                     | Nutritional diseases of ruminants (Acidosis)                       |
| 3    | Theoretical                     | Nutritional diseases of ruminants (Alcoholises)                    |
| 4    | Theoretical                     | Nutritional diseases of ruminants (Ketosis)                        |
| 5    | Theoretical                     | Nutritional diseases of ruminants (Urolithiasis)                   |
| 6    | Theoretical                     | Nutritional diseases of ruminants (Toxaemia)                       |
| 7    | Theoretical                     | Nutritional diseases of ruminants (NPN Toxicities)                 |
| 8    | Intermediate Exam               | Midterm exam                                                       |
| 9    | Theoretical                     | Nutritional diseases of ruminants (Tympani)                        |
| 10   | Theoretical                     | Nutritional diseases of poultry (Gut, perosis)                     |
| 11   | Theoretical                     | Nutritional diseases of poultry (Fat liver, gizzard erosion)       |
| 12   | Theoretical                     | Nutritional diseases of horses (colic)                             |
| 13   | Theoretical                     | Nutritional diseases of horses (laminitis, monday disease)         |
| 14   | Theoretical                     | Nutritional diseases of cats and dogs (diabetes mellitus, obesity) |
| 15   | Theoretical                     | Nutritional diseases of pigs                                       |

### Workload Calculation

| Activity            | Quantity | Preparation | Duration | Total Workload |
|---------------------|----------|-------------|----------|----------------|
| Lecture - Theory    | 14       | 0           | 2        | 28             |
| Assignment          | 5        | 1           | 1        | 10             |
| Reading             | 14       | 0           | 3        | 42             |
| Midterm Examination | 1        | 8           | 2        | 10             |



|                                         |   |    |   |     |
|-----------------------------------------|---|----|---|-----|
| Final Examination                       | 1 | 12 | 2 | 14  |
| Total Workload (Hours)                  |   |    |   | 104 |
| [Total Workload (Hours) / 25*] = ECTS   |   |    |   | 4   |
| *25 hour workload is accepted as 1 ECTS |   |    |   |     |

### Learning Outcomes

|   |                                                                                                                                   |
|---|-----------------------------------------------------------------------------------------------------------------------------------|
| 1 | To get recent scientific information about nutritional disease with a help of theoretical and practical lessons.                  |
| 2 | To present correct solution to problems this based on nutritional diseases and effecting productivity and most commonly on field. |
| 3 | Nutritional diseases in dairy cows.                                                                                               |
| 4 | Nutritional diseases in horses.                                                                                                   |
| 5 | Nutritional diseases in dark and goats.                                                                                           |

### Programme Outcomes (Animal Nutrition and Nutritional Diseases (Veterinary Medicine) Master)

|    |                                                                                                                                                                                       |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | to be able to comprehend information about basic animal nutrition and feeds for protecting animal health, scientific and technological animal production.                             |
| 2  | to be able to formulate economical and full-satisfactory rations with considering product quality and health and inform animal producers about practical/appropriate feeding methods. |
| 3  | to be able to apply recent scientific and technological developments in animal nutrition easier and produce proper strategies against to problems on this field.                      |
| 4  | to be able to analyse the properties of feeds used in proper and economical rations formulated due to needs of animal species.                                                        |
| 5  | to be able to inform animal producers about the common feedstuffs used in animal nutrition                                                                                            |
| 6  | to be able to interpret physical, diagnostic and chemical analysis methods used in determinin feed quality.                                                                           |
| 7  | to be able to comprehend processing and the effects of processing on animal yield.                                                                                                    |
| 8  | to be able to identify the term "feed hygiene" and have information about the usage availability of contaminated feedstuffs.                                                          |
| 9  | to be able to apply the informations related to feed additives in a proper way.                                                                                                       |
| 10 | to be able to formulate the results and factors decreasing production.                                                                                                                |
| 11 | to be able to apprehend the nutrition related diseases and their solution recommendations which may be applied in feeding or formulating feeds for preventing nutritonal diseases.    |

### Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

|     | L1 | L2 |
|-----|----|----|
| P1  | 5  |    |
| P2  |    | 5  |
| P3  | 5  |    |
| P10 | 5  | 5  |
| P11 | 5  | 5  |

