COURSE CONTRACT
POULTRY HEALTH SCIENCE
VETERINARY MEDICINE EDUCATION PROGRAM/S-1

1.	**Course**	: Poultry Health Science
2.	**Course Code**	: KHD303
3.	**Study Load**	: 2 SKS (2-0)
4.	**Semester**	: V
5.	**Department/Study Program**	: Bachelor of Veterinary Medicine
6.	**Prerequisites (if any)**	: Bacterial & Fungal ; Viral Diseases ; Parasitic Disease; Pathology
7.	**Course Description**	: Avian Health Management Lectures discuss about the knowledge of avian management in its corelation with disease prevention, which caused by microorganism or management failure. This materials are provided with lectures about diseases incident in avian which caused by management failure, feed and parasite/disease source. This lectures are focusing on diseases which caused by infectious and non infectious agents.
8.	**Person in Charge**	: Dr. Kusnoto, drh.,M.Si. (PJMK).
9.	**Lecturers**	: 1.Dr. Thomas Valentinus Widiyatno, drh.,M.Si. 2. Dr. Hani Plumeriastuti, drh., M.Kes. 3. Arimbi, drh., SU. (Patologi) 4. Suryanie Sarudji, drh.,M.Kes. 5. Dr. Wiwiek Tyasningsih, drh.,M.Kes. 6. Didik Handijatno,drh., M.S., Ph.D. (Bakteri) 7. Dr. Maslichah Mafruchati, drh., M.Si.(Mikal) 8. AdiPrijo Rahardjo, drh.,M.Si. (Virologi) 9. Muchamad Yunus, drh., M.Kes., PhD.(Ento) 10.Dr. Endang Suprihati, drh., M.S. (Proto)
10.	**Lecture Date/ Time/ Room**	Class A and B : Wednesday 07.00 – 08.50 (RK. 4A and 4B) Class C : Thursday 07.00 – 08.50 (RK. Avian) Class D : Monday 09.00 – 10.50 (RK. 3B) Class E (small class) : Monday 09.00 – 10.50 (RK. Klinik)
11.	***Soft Skills*Component**	*1. Self-motivation/initiative* *2. Work ethic/dependability* *3. Critical thinking* *4. Questioning skills* *5. Academic/learning skills* *6. Teaching/training skills*
12.	**Achievement of Graduate Learning**	: LO : : Assess the system of epidemiology and surveillance in controlling, preventing strategic, bio-products, bio-safety, bio-security and bio-materials from animals causing zoonotic diseases to eliminate them

13. Achievement of Course Learning : Students able to determine various diseases in avian which caused by infectious and non infectious agents.

14. Sub Lecture Achievement:

After participating in this Avian Health Management lectures, students will be able to explain important diseases in avian, determine transmission method, control and medication. In detail, as follows:

1. Students able to explain Anatomy and Physiology also the effect of avian diseases and avian management in their corelation with disease prevention, which caused by microorganism or management failure.
2. Students able to explain about Bacterial Diseases in Resporatory Tract. Determine the causes, transmission method, control and medication of disease Infectious Coryza, Chronic Respiratory Disease.
3. Students able to explain about Bacterial Diseases in Resporatory Tract. Determine the causes, transmission method, control and medication :Cholera Unggas, TB unggas.
4. Students able to explain about Bacterial Diseases in Gastrointestinal Tract. Determine the causes, transmission method, control and medication:Colibacillosis, Salmonellosis, Pullorum.
5. Students able to explain about Bacterial Diseases in Gastrointestinal Tract. Determine the causes, transmission method, control and medication:Enteritis necroticans, Enteritis ulcerative.
6. Students able to explain about Viral diseases in Avian. Avian Influenza, Infectious Bursal Disease, Egg Drop Syndrome.
7. Students able to explain about Viral diseases in Avian. Determine the causes, transmission method, control and medication :Fowl Pox, Avian Encephalomyelitis, Viral Arthritis, Infectious Stunting Syndrome.
8. Students able to explain about Viral diseases in Avian. Determine the causes, transmission method, control and medication :Newcastle Disease, Infectious Bronchitis, Infectious Laryngotracheitis.
9. Students able to explain about Viral diseases in Avian. Determine the causes, transmission method, control and medication :Marek, Lymphoid Leucosis, Swollen Head Syndrome, Chicken Anemia Virus.
10. Students able to explain aboutAvian Parasitic disease. Determine the causes, transmission method, control and medication :Leucozytozoonosis, Malaria Unggas, Coccidiosis.
11. Students able to explain aboutAvian Parasitic disease. Determine the causes, transmission method, control and medication :Histomoniasis, Ektoparasit.
12. Students able to explain aboutAvian Parasitic disease. Determine the causes, transmission method, control and medication :Helminthiasis.
13. Students able to explain aboutFungal Disease in Avian. Determine the causes, transmission method, control and medication : Aspergillosis dan Candidiasis.
14. Students able to explain aboutnon infectious Diseases in Avian. Determine the causes, transmission method, control and medication :Aflatoksikosis, Okratoksikosis dan Deficiency Syndrome.

15. Lecture Benefit

Avian Health Management discuss about various diseases that caused by infectious and non infectious agents. The most common infectious and non infectious diseases that occur in avian resulting in high economic loss for breeders. The determination of avian diseases needs complex understanding including causa, pathogenesis, changes in pathology anatomy, clinical signs and diagnostic method also environment factors that support the diseases. Avian Health Management lecture helps students understand knowledge about avian management in corelation with disease prevention, whether caused by

microorganism or management failure, feed and parasite/diseases agents. In the future, hopefully students able to use this knowledge to control diseases including medication, prevention and controlling.

16. Strategy of Lecture

Lecture methods mostly use speech. In the end of speech, students have time to discussion, especially about frequent diseases incident around farming area and assignments about strategic diseases topic to discuss in the next meeting. Before the lecture begins, provided discuccion about the previous topic assignments. The assignments are presented in front of class and discussed together. In every end of lectures, students were given tutorial time, which in groups and a spesific lecturer, to get more spesific discussion.

17. Material or book for lecture

1. Calnek, B.W. (Ed.) 1997. Disease of Poultry. Tenth Edition. Iowa State University Press. Ames, Iowa, USA
2. Gordon, R.F and Jordan, F.T.W. 1982. Poultry Diseases. Second Edition. English Language Book Society. Bailliere Tindall. Eastbourne.
3. Tabbu, C.R. 2001. Penyakit Ayam dan Penanggulangannya. Vol. I Penyakit Bakterial, Mikal, dan Viral. Penerbit Kanisius. Yogyakarta.
4. _____ 2001. Penyakit Ayam dan Penanggulangannya. Volume II Penyakit asal Parasit, Non Infeksius dan Etiologi Kompleks. Penerbit Kanisius. Yogyakarta.

18. Lecture Assignment

Individual Task :

Week-14and 15 : Persentation paper assignments. A class is divided in several groups, minimum students each groups.

Assignment Topics : 1.Avian Health Management, techniques to collect and send samples
2. Water/pond Avian Health Management.
3. Bird Health Management.

19. Assessment Criteria

SCORING SYSTEM

In every exam will be given raw score in number 0 - 100. For Final score, were given alphabetical with 7 grades, which are : A, AB, B, BC, C, D and E.

Final Scorefrom a lecture is determined from the summary of evaluation score from each exam score that held by lecturer. Example for value score : UTS = 2 ; UAS 3 ; Discuccion / soft skill = 1 ; Assignment paper = 1,5

Example :

Student X participate inAvian Health Management, score for each exams as follows : Score =

$$\frac{(\text{soft skill} \times 1) + (\text{Assignment paper} \times 1{,}5) + (\text{UTS} \times 2) +}{7{,}5}$$

Processing the Final Score(raw score/numeric) is the Quality Score for grading in 7 grade.From the final score (raw score), followed by processing mean score (X). Score grouping use BENCHMARK SCORING/PENILAIAN ACUAN PATOKAN (PAP) as follows :

Raw Score	Alphabetical Score
≥ 75	A
70 – 74.9	AB
65 – 69.9	B
60 – 64.9	BC
55 – 59.9	C
40 – 54.9	D
< 40	E

Score Presentation from score processing above are given 7 grade, as follows :

Alphabetical Score	Quality Score
A	4
AB	3,5
B	3
BC	2,5
C	2
D	1
E	0

20. Others

- Students are allowed to participate the end semester exam (UAS) if the attendance of overall lectures is 75% (attendance minimum 9x for new students) and 50% attendance for make up students.
- Students that did not participate in quiz, mid semester exam (UTS), end semester exam (UAS) must complete the absence permission, including doctor's note and (maximum a week) after quiz, UTS, UAS must participate in continuation exam.
- Structured assignment and practice report collecting should be done maximum a week after assignment/practice date given.
- For UTS and UAS : multiple choice