PORTFOLIO

PARASITIC DISEASE

Lecturers :

1. Prof. Dr. Setiawan Kusdarto, drh., MSc.
2. Prof. Dr. Nunuk Dyah R.L., drh., M.S.
3. Dr. Endang Suprihati., drh., M.S.
4. Dr. Poedji Hastutiek., drh., M.Si.
5. Prof. Dr. Lucia Tri Suwanti, drh., M.P.
6. Dr. Mufasirin., drh, M.Si.
7. Muchammad Yunus, drh., M.Kes. PhD
8. Agus Sunarso, drh., M.Sc.
9. Dr. Kusnoto, drh., M.Si.

Department of Veterinary Parasitology
Faculty of Veterinary Medicine
Universitas Airlangga

2019

LIST OF PORTFOLIO

SEMESTER LEARNING PLAN :

A. Course Identity
B. Mapping LO to CO
C. Course Topic
D. Assesment Rubric
E. Assesment System

COURSE ASSESSMENT TA. 2017/2018 :

A. Course Outcome Evaluation
B. Course Development Plan
C. Appendix
    1. Examination/Question Sheets
    2. Student Answer Sheet Sample (maximum, average and minimum score)
    3. Assessment Score Summary
    4. Student Questionnaire Summary
    5. Schedule

Portfolio of Parasitic Disease
Department of Parasitology Veterinary, Faculty of Veterinary Medicine
Airlangga University

Course Identity

Modul name	Lecture of Parasitic Disease
Level modul	4 (Bachelor)
Achievement of applicable	-
Sub-heading, if applicable	-
Courses included in the module of applicable	-
Semester/Term	4/2
Coordinator	Muchammad Yunus, drh., M.Kes., Ph.D
Lecturers	1. Prof. Dr. Setiawan Kusdarto, drh., MSc. 2. Prof. Dr. Nunuk Dyah R.L., drh., M.S. 3. Dr. Endang Suprihati., drh., M.S. 4. Dr. Poedji Hastutiek., drh., M.Si. 5. Prof. Dr. Lucia Tri Suwanti, drh., M.P. 6. Dr. Mufasirin., drh, M.Si. 7. Agus Sunarso, drh., M.Sc. 8. Dr. Kusnoto, drh., M.Si. 9. Muchammad Yunus, drh., M.Kes., Ph.D
Language	Bahasa Indonesia and English
Classifications within the curriculum	Compulsory/~~elective~~ course
Teaching (hours per week during the semester)	2 class hour lecture (2 x 170 minutes lecture) and 1 class hour practical (170 minutes practical) x 14 weeks
Workload per semester	340 minutes lecture is divided into 100 minutes face to face interaction, 100 minutes structured activities and 140 minutes independent study; 170 minutes practical is spent on laboratory/field work.
Credit points	3 (lecture 2/practical 1) (~4.53 ECTS)
Learning goals/compentencies	CO1 Able to explain parasites in many animals CO2 Able to determine parasitic disease in animals CO3 Able to interpret pathogenesis, clinical sign, pathological change, diagnose and control parasitic disease CO4 Able to conduct a teamwork to discuss about parasitic disease
Content	1.The importance of parasitic diseases in animals and the role of

<table>
<tr><td></td><td>mosquito and fly as vector and agent for diseases in farm animals.
2. Lice infestation, in farm animals and pets and Flea infestation in farm animals and pets
3. Mites infestation: Scabiosis in farm animals and pets, Demodecosis in farm animals and pets, Chalk leg (Kaki kapur) in avian and Tick infestation in farm animals and pets
4. The basic of insects
5. Blood protozoa diseases in mammals: Surra disease and Babesiosis
6. Blood protozoa diseases in mammals: Theileriasis and Anaplasmosis.
7. Blood protozoa diseases in avian: Malaria diseases, Leucocytozoonosis and Haemoproteosis.
8. Protozoa disease in gastrointestinal tract of bovine and avian: Coccidiosis, Amoebiasis, Balantidiasis and Avian Trichomoniasis
9. Protozoa diseases in bovine tissues: Toxoplasmosis and Trichomoniasis
10. Trematodosis disease in farm animals: Fasciolosis, Paramphistomosis, Schistosomiasis and Paragonomiasis.
11. Cestodosis disease in avian: Monieziasis, Cysticercosis, Dipylidiasis, Diphyllobthriasis and Taeniasis.
12. Nematodosis Diseases. Ascariasisin farm animals including: Haemonchiasis, Mecistocirrusis, Nematodosis in ruminant small intestine, Nematodosis in pig lungs, Nematodosis in ruminant colon and caecum (Trichuriasis, Oesophagustomiasis, Chabertiasis) and Ascariasis in pig, bovine, dog and horse
13. Ascaridiasis, Heterakiasis and Ancylostomiasis
14. Nematodosis in bovine skin and Eye worm infestation</td></tr>
<tr><td>Study/ exam achievement</td><td>
<table>
<tr><th>Assessment aspect</th><th>Assessment element</th><th>Point</th><th>Course outcome (CO)</th></tr>
<tr><td>Cognitive</td><td>Quiz Exam
Mid Exam
Final Exam</td><td>13.64
18.18
27.27</td><td>CO1, CO2, CO3, CO4</td></tr>
<tr><td>Psychomotor</td><td>Field Practice</td><td>18.18</td><td>CO1, CO2, CO3, CO4</td></tr>
<tr><td>Affective</td><td>Focus Group Discussion (FGD), lecture and laboratory practice Activity; Presence; Discipline; Politness</td><td>22.72</td><td>CO1, CO2, CO3, CO4</td></tr>
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<table>
<tr><td></td><td>Score Index :
<table>
<tr><td>A</td><td>≥ 75</td></tr>
<tr><td>AB</td><td>70-74.9</td></tr>
<tr><td>B</td><td>65-69.9</td></tr>
<tr><td>BC</td><td>60-64.9</td></tr>
<tr><td>C</td><td>55-59.9</td></tr>
<tr><td>D</td><td>40-54.9</td></tr>
<tr><td>E</td><td>< 40</td></tr>
</table></td></tr>
<tr><td>Forms of Media</td><td>Powerpoint presentation, LCD Projector, Whiteboard</td></tr>
<tr><td>Literature</td><td>

Soulsby, E.J.L. 1986. Helminth, Arthropods, and Protozoa of Domesticated Animals. 7th ed. Bailliere Tindall. London.
Levine, N.D. 1990. Parasitologi Veteriner. Gajah Mada University Press. Yokyakarta.
Bowman, D.D. 1995. Georgis' Parasitology For Veterinarians. W.B. saunders Company. Tokyo.
Sigit, H.S., F.X. Koesharto, U.K. Hadi, D.J. Gunandini, S. Soviana, I.A. Wirawan, M. Chalidaputra, M. Rivai, S. Priyamdodo, S.Yusuf, dan S.Utomo. 2006. Hama Permukiman Indonesia. Pengenalan, Biologi & Pengendalian. Unit Kajian Pengendalian Hama Permukiman. FKH IPB Bogor.
Sasmita, R., P. Hastutiek, A. Sunarso dan M. Yunus 2013. Buku Ajar Arthropoda Veteriner. Cetakan Pertama. Fakultas Kedokteran Hewan Universitas Airlangga. Airlangga University Press Surabaya.
Hastutiek, P., R. Sasmita, A. Sunarso dan M. Yunus. 2014. Buku Ajar Ilmu Penyakit Artropoda Veteriner. Fakultas Kedokteran Hewan, Universitas Airlangga. Airlangga University Press. Surabaya.
Suwanti, L.T., N.D.R. Lastuti, E. Suprihati dan Mufasirin. 2012 Buku Ajar Protozoologi Veteriner. Fakultas Kedokteran Hewan Universitas Airlangga, Airlangga University Press Surabaya.
Mufasirin, N.D.R. Lastuti, E. Suprihati dan L.T. Suwanti. 2016. Buku Ajar Ilmu Penyakit Protozoa. Fakultas Kedokteran Hewan Universitas Airlangga. Airlangga University Press Surabaya.
Kusnoto, Subekti, S., S. Koesdarto dan S. Mumpuni. 2014. Buku Teks Helmintologi Kedokteran Hewan. Fakultas Kedokteran Hewan, Universitas Airlangga. Airlangga University Press Surabaya.
Setiawan Koesdarto, S. Subekti, B.S., Sri Mumpuni, H. Puspitawati dan Kusnoto. 2007. Buku Ajar Ilmu Penyakit Trematoda dan Cestoda. Fakultas Kedokteran Hewan, Universitas Airlangga. Surabaya.
Setiawan Koesdarto, S. Subekti, B.S.,. Sri Mumpuni, H. Puspitawati dan Kusnoto. 2007. Buku Ajar Ilmu Penyakit Nematoda. Fakultas Kedokteran Hewan, Universitas Airlangga. Surabaya.

</td></tr>
</table>

	Others : 1. Hastutiek P., A. Sunarso dan M. Yunus 2016. Penuntun Practice Penyakit Arthropoda Veteriner. Departemen Parasitologi, Fakultas Kedokteran Hewan Universitas Airlangga. Surabaya. 2. Lastuti N.D.R., E. Suprihati, L.T. Suwanti, dan Mufasirin. 2016. Penuntun Practice Penyakit Protozoologi Veteriner. Departemen Parasitologi, Fakultas Kedokteran Hewan Universitas Airlangga. Surabaya. 3. Koesdarto S., S. Mumpuni dan Kusnoto. 2016. Penuntun Practice Helminthologi Veteriner. Departemen Parasitologi, Fakultas Kedokteran Hewan Universitas Airlangga. Surabaya.
Notes	If absolute score on the Final Examination cannot be applied, the calculation with relatives score will be conducted

Mapping LO to CO

LO	CO1	CO2	CO3	CO4
Give provision, guideline and basic for veterinary medicine prospective graduate and vet in order to reduce the incident of parasitic disease and eradicate parasitic disease in farm animal, pet and wild animal	√	√	√	√

B. Topic of Course and Scoring

Topic of Course

No.	Content
1	The importance of parasitic diseases in animals and the role of mosquito and fly as vector and agent for diseases in farm animals.
2	Lice infestation, in farm animals and pets and Flea infestation in farm animals and pets
3	Mites infestation: Scabiosis in farm animals and pets, Demodecosis in farm animals and pets, Chalk leg (Kaki kapur) in avian and Tick infestation in farm animals and pets
4	The basic of insects
5	Blood protozoa diseases in mammals: Surra disease and Babesiosis
6	Blood protozoa diseases in mammals: Theileriasis and Anaplasmosis.
7	Blood protozoa diseases in avian: Malaria diseases, Leucocytozoonosis and Haemoproteosis.
8	Protozoa disease in gastrointestinal tract of bovine and avian: Coccidiosis, Amoebiasis, Balantidiasis and Avian Trichomoniasis
9	Protozoa diseases in bovine tissues: Toxoplasmosis and Trichomoniasis
10	Trematodosis disease in farm animals: Fasciolosis, Paramphistomosis, Schistosomiasis and Paragonomiasis.
11	Cestodosis disease in avian: Monieziasis, Cysticercosis, Dipylidiasis, Diphyllobthriasis and Taeniasis
12	Nematodosis Diseases. Ascariasisin farm animals including: Haemonchiasis, Mecistocirrusis, Nematodosis in ruminant small intestine, Nematodosis in pig

	lungs, Nematodosis in ruminant colon and caecum (Trichuriasis, Oesophagustomiasis, Chabertiasis) and Ascariasis in pig, bovine, dog and horse
13	Ascaridiasis, Heterakiasis and Ancylostomiasis
14	Nematodosis in bovine skin and Eye worm infestation

Assessment Rubic

No.	Not Acceptable 0-45	Below Acceptable 45-55	Meet Acceptable 55-60	Exceed Acceptable 60-100
1	Student can not understand the importance of parasitic diseases in animal, the disadvantages, pathogenesis, clinical sign, diagnosis and disease controlling effort which caused by Protozoa, Helmint and Arthropoda, also the importance of ectoparasite as vector.	Student has minimum understanding the importance of parasitic diseases in animal, the disadvantages, pathogenesis, clinical sign, diagnosis and disease controlling effort which caused by Protozoa, Helmint and Arthropoda, also the importance of ectoparasite as vector.	Student able to understand the importance of parasitic diseases in animal, the disadvantages, pathogenesis, clinical sign, diagnosis and disease controlling effort which caused by Protozoa, Helmint and Arthropoda, also the importance of ectoparasite as vector.	Student has extra ability to understand the importance of parasitic diseases in animal, the disadvantages, pathogenesis, clinical sign, diagnosis and disease controlling effort which caused by Protozoa, Helmint and Arthropoda, also the importance of ectoparasite as vector.
2	Student can not identify the importance of parasitic diseases in animal, the disadvantages, pathogenesis, clinical sign, diagnosis and disease controlling effort which caused by Protozoa, Helmint and Arthropoda, also the importance of ectoparasite as vector.	Student has minimum understanding the importance of parasitic diseases in animal, the disadvantages, pathogenesis, clinical sign, diagnosis and disease controlling effort which caused by Protozoa, Helmint and Arthropoda, also the importance of ectoparasite as vector.	Student able to identify the importance of parasitic diseases in animal, the disadvantages, pathogenesis, clinical sign, diagnosis and disease controlling effort which caused by Protozoa, Helmint and Arthropoda, also the importance of ectoparasite as vector.	Student has extra ability to identify the importance of parasitic diseases in animal, the disadvantages, pathogenesis, clinical sign, diagnosis and disease controlling effort which caused by Protozoa, Helmint and Arthropoda, also the importance of ectoparasite as vector.
3	Student can not understand do an analyzing the importance of parasitic diseases in animal, the disadvantages, pathogenesis, clinical sign, diagnosis and disease controlling effort which caused by Protozoa, Helmint and Arthropoda, also the	Student has minimum understanding the importance of parasitic diseases in animal, the disadvantages, pathogenesis, clinical sign, diagnosis and disease controlling effort which caused by Protozoa, Helmint and Arthropoda, also the importance of ectoparasite as vector.	Student able to do an analyzing the importance of parasitic diseases in animal, the disadvantages, pathogenesis, clinical sign, diagnosis and disease controlling effort which caused by Protozoa, Helmint and Arthropoda, also the importance of ectoparasite	Student has extra ability to do an analyzing the importance of parasitic diseases in animal, the disadvantages, pathogenesis, clinical sign, diagnosis and disease controlling effort which caused by Protozoa, Helmint and Arthropoda, also the importance of ectoparasite as vector.

	importance of ectoparasite as vector.		as vector.	

C. Scoring System

Assessment aspect	Assessment element	Point	Course outcome (CO)
Cognitive	Quiz Mid Exam Final Exam	13.64 18.18 27.27	CO1, CO2, CO3, CO4
Psychomotor	Field Practice	18.18	CO1, CO2, CO3, CO4
Affective	Focus Group Discussion (FGD), lecture and laboratory practice Activity; Presence; Discipline; Politeness	22.72	CO1, CO2, CO3, CO4

The FGD assessment component includes: attitude (discipline of arrival, dress order and way of discussion), discussion and understanding activities.

Final indexed is defined as follow:
A : ≥ 75
AB : 70-74.9
B : 65-69.9
BC : 60-64.9
C : 55-59.9
D : 40-54.9
E : < 40

COURSE ASSESSMENT YEAR 2017/2018

A. Evaluation Learning Result

CO1	68.66
CO2	63.70
CO3	66.69
CO4	81.01

Course Outcome (CO) Achievement:

	CO1	CO2	CO3	CO4
First Examination (quiz)	**67.00**	**62.36**	**60.32**	
Second Examination (Assigment)	**83.00**	**79.46**	**75.89**	**80.00**
Third Examination (Mid Exam)	**58.00**	**54.28**	**61.70**	
Final Examination	**66.63**	**58.70**	**68.83**	
Practicum				**73.02**
FGD (soft skill)				**90.00**
Mean	**68.66**	**63.70**	**66.69**	**81.01**
	CO1	**CO2**	**CO3**	**CO4**

Exceed Acceptable: The student get score up to 55

Course Outcome (CO) mapping to Learning Outcome Graduate (LOG) Achievement:

		CO1	CO2	CO3	CO4	Average of LO
LO 2:	Analyze diagnosis of animal diseases caused by virus, bacteria, parasite, mold and toxin based on physic and laboratory examination in order to treat correctly	**68.66**	**63.70**	**66.69**	**81.01**	**70.00**

COURSE ASSESSMENT YEAR 2016/2017

A. Evaluation Learning Result

CO1	67.25
CO2	64.00
CO3	67.25
CO4	81.00

Course Outcome (CO) Achievement:

	CO1	CO2	CO3	CO4
First Examination (quiz)	**67.00**	**62.00**	**60.00**	
Second Examination (Assigment)	**83.00**	**80.00**	**80.00**	**80.00**
Third Examination (Mid Exam)	**58.00**	**54.28**	**61.70**	
Final Examination	**64.00**	**58.00**	**68.00**	
Practicum				**73.00**
FGD (soft skill)				**90.00**
Mean	**67.25**	**64.00**	**67.25**	**81.00**
	CO1	**CO2**	**CO3**	**CO4**

Exceed Acceptable: The student get score up to 55

Course Outcome (CO) mapping to Learning Outcome Graduate (LOG) Achievement:

		CO1	CO2	CO3	CO4	Average of LO
LO 2:	Analyze diagnosis of animal diseases caused by virus, bacteria, parasite, mold and toxin based on physic and laboratory examination in order to treat correctly	**67.25**	**64.00**	**67.25**	**81.00**	**70.00**

Lecture evaluation by students (EDoM):

No.	Question	Respondents	Score (1-4)	Index Satisfaction (%)
1	Lecturer delivering course contracts at the beginning of lecture	**153**	**3.57**	**89.25**
2	Lecturers had start and end lectures on time according to the specified schedule	**153**	**3.39**	**84.75**
3	Lecturers provide constructive feedback on student learning outcomes (assignments, examinations, quizzes, etc.)	**153**	**3.58**	**89.50**
4	Lecturers use the latest reference books and literature (last 5 years)	**153**	**3.49**	**87.25**
5	Lecturers conformity between the material presented with the planning in the lecture contract	**153**	**3.50**	**87.50**
6	Lecturers carry out the test questions and details of the assignments	**153**	**3.50**	**87.50**
7	Lecturers carry out course with teaching materials / dictates / handouts	**153**	**3.46**	**86.50**
8	Lecturers use material course along with examples of application or real illustrations related to material course	**153**	**3.45**	**86.25**
9	Lecturers use of various learning media (whiteboards, properties, OHPs, LCDs, projectors, films, etc.)	**153**	**3.44**	**86.00**
10	Lecturers ability in integrating of various learning media	**153**	**3.46**	**86.50**
11	Lecturers show attention to students (eg, provide opportunities to ask questions, respond to questions / comments)	**153**	**3.40**	**85.00**
12	Lecturers use implement teaching methods that can enhance interaction between students and students with lecturers	**153**	**3.37**	**84.25**
	Mean	**153**	**3,47**	**86.68**

DEVELOPMENT PLAN

In the development plan we have a commitment to improve continuously to optimize student grades, and one of them is by adding assignments, presentation (team work), providing tutorials to improve cognitive.