

VETERINARY MICROBIOLOGY
3110301
Academic year 2007

PERIOD	DATE	TIME	TITLE (LECT. & LAB.)	INSTRUCTORS
1	5 June 2007	08.00 – 10.00	Introduction to Veterinary Microbiology.	CR
		10.00 – 12.00	Role of Laboratory, Laboratory safety, Student grouping	CR and Staff
2	7 June 2007	08.00 – 10.00	General principle of mycology Fungal physiology, reproductive and classification	ON
		10.00 – 12.00	Exercise 1 : Fungal colony and staining Differentiation of Eukaryote and Prokaryote.	ON and Staff
3	12 June 2007	08.00 – 10.00	Fungal isolation and examination Opportunistic and Pathogenic mechanism of fungi	ON
		10.00 – 12.00	Exercise 2 : Fungal isolation and cultivation	ON and Staff
4	14 June 2007	08.00 – 10.00	Subcutaneous mycoses	ON
		10.00 – 12.00	Exercise 3 : Air-borne fungi and subcutaneous fungi	ON and Staff
5	19 June 2007	08.00 – 10.00	Systemic mycoses	ON
		10.00 – 12.00	Exercise 4 : Systemic fungi	ON and Staff
21 June 2007		Ceremony of paying respect to instructor		
6	26 June 2007	08.00 – 09.00 09.00 – 10.00	Dimorphic fungi and higher bacteria Dermatophytes I	ON NP
		10.00 – 12.00	Exercise 5 : Dimorphic fungi	ON and Staff
7	28 June 2007	08.00 – 10.00	Dermatophytes II	NP
		10.00 – 12.00	Exercise 6 : Dermatophytes	NP and Staff
8	3 July 2007	08.00 – 10.00	Yeast : Disease and identification	NP
		10.00 – 12.00	Exercise 7 : Yeast identification	NP and Staff

PERIOD	DATE	TIME	TITLE (LECT. & LAB.)	INSTRUCTORS
9	5 July 2007	08.00 – 10.00	Fungus in aquatic animals	NP
		10.00 – 12.00	Exercise 8 : Self study in Fungal identification I	NP NP and Staff
10	10 July 2007	08.00 – 09.00	Bacterial: structure and function	TC
		09.00 - 10.00	Bacterial diagnosis : principle and applications	CR
		10.00 – 12.00	Exercise 9 : Self study in Fungal identification II	NP NP and Staff
11	12 July 2007	08.00 – 10.00	Bacterial genetic and metabolism	NP
		10.00 - 12.00	Exercise 10 : Staining : simple staining, Gram’s staining, Acid-fast staining and Spore staining	IK and Staff
12	17 July 2007	08.00 – 10.00	Gram positive cocci : <i>Staphylococcus</i> <i>Streptococcus</i> and <i>Micrococcus</i>	CR
		10.00 – 12.00	Exercise 11 : Primary tests : catalase , oxidase, oxidative / fermentative , motility	CR and Staff
13	19 July 2007	08.00 – 10.00	Non-spore forming bacteria : <i>Corynebacterium</i> , <i>Listeria</i> , and <i>Erysipelothrix</i>	TC
		10.00 – 12.00	Exercise 12 : Carbohydrate fementation, amino acid decarboxylation, nitrate reduction.	TC and Staff
MID – TERM Examination 23 – 27 July, 2007				
14	31 July 2007	08.00 – 10.00	Spore forming bacteria : <i>Clostridium</i> and <i>Bacillus</i>	IK
		10.00 – 12.00	Exercise 12 : Starch, casein, gelatin, lecithovitellin	IK and Staff
15	2 Aug 2007	08.00 – 10.00	Aquatic bacteria : <i>Vibrio</i> and <i>Aeromonas</i>	CR
		10.00 – 12.00	Exercise 13 : Gluconate, TSI reaction, litmus milk and urease.	CR and Staff

PERIOD	DATE	TIME	TITLE (LECT. & LAB.)	INSTRUCTORS
16	7 Aug 2007	08.00 – 10.00	Enterobacteriaceae I	TC
		10.00 – 12.00	Exercise 14 : IMViC Indole, methyl red, Voges – Proskauer, citrate	TC and Staff
17	9 Aug 2007	08.00 – 09.00	Enterobacteriaceae II	TC
		09.00 - 10.00	<i>Burkholderia</i> and <i>Pseudomonas</i>	KP
		10.00 – 12.00	Exercise 15 : Demonstration of diagnostic test kit	CR and Staff
18	14 Aug 2007	08.00 – 10.00	Drug interaction and antimicrobial susceptibility testing	TC
		10.00 – 12.00	Exercise 16 : Demonstration of antimicrobial susceptibility test	TC and Staff
19	16 Aug 2007	08.00 – 10.00	Non-spore forming anaerobes and <i>Leptospira</i>	IK
		10.00 – 12.00	Exercise 17 : Demonstration anaerobic bacterial culture and student assignment	IK and Staff
20	21 Aug 2007	08.00 – 10.00	<i>Brucella</i> , <i>Bordetella</i> , <i>Moraxella</i> and <i>Alcaligenes</i>	IK
		10.00 – 12.00	Exercise 18 : Isolation and identification 1	Staff
21	23 Aug 2007	08.00 – 10.00	<i>Actinobacillus</i> and <i>Haemophilus</i>	KP
		10.00 – 12.00	Exercise 19 : Isolation and identification 2	Staff
22	28 Aug 2007	08.00 – 10.00	<i>Pasteurella</i> and <i>Rimerella</i>	KP
		10.00 – 12.00	Exercise 20 : Isolation and identification 3	Staff
23	30 Aug 2007	08.00 – 09.00	<i>Mycobacterium</i>	CR
		09.00 – 10.00	Lactic acid bacteria	KP
		10.00 – 12.00	Exercise 21 : Isolation and identification 4	Staff
24	4 Sept 2007	08.00 – 09.00	<i>Mycoplasma</i> and <i>Ureaplasma</i>	CR
		09.00 – 10.00	<i>Campylobacter</i> and <i>Helicobacter</i>	IK
		10.00 – 12.00	Exercise 22 : Isolation and identification 5	Staff

PERIOD	DATE	TIME	TITLE (LECT. & LAB.)	INSTRUCTORS
25	6 Sept 2007	08.00 – 10.00	Beneficial microorganism and direct feed microbes	KP
		10.00 – 12.00	Exercise 23 : Isolation and identification 6	Staff
26	11 Sept 2007	08.00 - 10.00	Control of microbes	IK
		10.00 - 12.00	Exercise 24 : Isolation and identification 7	Staff
27	13 Sept 2007	08.00 - 12.00	Exercise 25 : Isolation and identification 8	Staff
28	18 Sept 2007	08.00 – 12.00	Exercise 26 : Student presentation 1	Staff
29	20 Sept 2007	08.00 – 12.00	Exercise 27 : Student presentation 2	Staff
Final Examinations 24 Sept- 5 Oct, 2007				

Examination :Lecture (70%)

Mycology

Mid – term

22% (Period 2-9)

Bacteriology

Mid – term

14% (Period 1, 10-13)

Final Examination

34% (Period 14-26)

Laboratory (30%)

Veterinary Mycology

10%

Veterinary Bacteriology

15%

Attention

5%

Total

100%

Staff :

Assoc.Prof. Indhira

Assoc.Prof. Kriengsuk

Assoc.Prof.Orwan

Assoc.Prof.Dr.Thongchai

Assist.Prof.Dr. Nuvee

Instructor Dr.Channarong

Mrs.Waree

Mrs.Suphap

Miss Thitima

Kramomtong (IK)

Poonsuk (KP)

Navephab (ON)

Chalermchaikit (TC)

Prapasarakul (NP)

Rodkam (CR)

Niyomthum (WN)

Muangkeao (SM)

Tripipat (TT)