



Apollo College of Veterinary Medicine



JAMDOLI, AGRA ROAD, JAIPUR-302031 (RAJASTHAN)

Department of Veterinary Public Health & Epidemiology

F. No. 1a/ACVM/VPH/2025/

Date: 15/09/2025

To,

The DEAN

Apollo College of Veterinary Medicine,

Jaipur

Subject: Lecture Schedule 3rd B.V.Sc. VPH & E- Submission –regarding

Respected Sir,

As per the subject cited above I am herewith enclosing the lecture schedule
in the subject of VPH & E

Yours faithfully

Dr Monika Soni
Assistant Professor
Dept. of VPH & E,
ACVM, Jaipur



JAMDOLI, AGRA ROAD, JAIPUR-302031 (RAJASTHAN)

Department of Veterinary Public Health & Epidemiology

Third Professional Year B.V.Sc. & A.H.

LECTURE SCHEDULE-THEORY

Credit Hours: 3+1

Commencement of Classes: 21.11.2024

S.no.	Date	Name of Topics	Name of Course Teacher
UNIT-1 (VETERINARY PUBLIC HEALTH & FOOD SAFETY)			
1	21.11.2024	Aims and scope of Veterinary Public Health Role of veterinarians in public health.	Dr Monika Soni
2	22.11.2024	One Health concept and initiatives.	Dr Monika Soni
3	24.11.2024	Veterinary Public Health administration	Dr Monika Soni
4	28.11.2024	Sources of milk contamination.	Dr Monika Soni
5	29.11.2024	Principles and concepts of food hygiene and safety.	Dr Monika Soni
6	30.11.2024	Milk hygiene in relation to public health.	Dr Monika Soni
7	05.12.2024	Hygienic and safe milk production practices including steps for prevention and control of milk contamination, adulterants, antimicrobial residues, agrochemicals, subclinical mastitis or udder infections etc.	Dr Monika Soni
8	06.12.2024	Microbial flora of milk and milk products.	Dr Monika Soni
9	12.12.2024	Milk plant and dairy equipment hygiene.	Dr Monika Soni
10	13.12.2024	Quality control of milk and milk products.	Dr Monika Soni
11	19.12.2024	Milk hygiene practices in India and other	Dr Monika Soni

		countries.	
12	20.12.2024	Elements of meat inspection and meat hygiene practices.	Dr Gaurab Basak
13	21.12.2024	Pathological conditions associated with the transport of food animals.	Dr Gaurab Basak
14	26.12.2024	Hygiene in abattoirs and meat plants.	Dr Gaurab Basak
15	27.12.2024	Detection of conditions or diseases and judgements during ante mortem and post mortem inspection.	Dr Gaurab Basak
16	28.12.2024	Examination of lymph nodes.	Dr Gaurab Basak
17	2.1.2025	Meat as a source of disease transmission.	Dr Gaurab Basak
18	3.1.2025	Speciation of meat. Animal welfare and public health issues.	Dr Gaurab Basak
19	4.1.2025	Sources of contamination of meat and methods of carcass decontamination.	Dr Gaurab Basak
20	9.1.2025	Classification of low risk and high risk material generated in an abattoir and its hygienic disposal.	Dr Gaurab Basak
21	10.1.2025	Inspection of poultry for human consumption.	Dr Gaurab Basak
22	16.1.2025	Occupational health hazards in abattoir and meat plants.	Dr Gaurab Basak
23	17.1.2025	Foodborne infections and intoxications associated with foods of animal origin.	Dr Gaurab Basak
24	18.1.2025	Toxic residues (pesticides, antibiotics, metals and hormones) in foods and associated health hazards.	Dr Gaurab Basak
25	23.1.2025	Types of biohazards.	Dr Monika Soni
26	24.1.2025	Hazard analysis and critical control points (HACCP) system.	Dr Monika Soni
27	25.1.2025	Importance of ISO 9000 and 14000 series in meat industry.	Dr Monika Soni

28	30.1.2025	Risk analysis, assessment and management.	Dr Neharika Saxena
29	31.1.2025	International food safety standards: World Organisation for Animal Health (OIE), World Trade Organization (WTO) agreements and Codex Alimentarius Commission.	Dr Neharika Saxena
30	1.2.2025	Sanitary and phytosanitary measures in relation to foods of animal origin.	Dr Neharika Saxena
31	6.2.2025	Food Safety and Standards Act and Regulations.	Dr Neharika Saxena
32	7.2.2025	Role of Food Safety and Standards Authority of India (FSSAI), Bureau of Indian Standards (BIS) and other national agencies.	Dr Neharika Saxena
UNIT-11 (VETERINARY EPIDEMIOLOGY)			
33	13.2.2025	Definitions, components and aims of epidemiology.	Dr Gaurab Basak
34	14.2.2025	Factors influencing occurrence of livestock diseases and animal production.	Dr Gaurab Basak
35	15.2.2025	Determinants of disease.	Dr Gaurab Basak
36	20.2.2025	Transmission and maintenance of infections.	Dr Monika Soni
37	21.2.2025	Ecology of disease.	Dr Monika Soni
38	22.2.2025	Measures and patterns of disease occurrence.	Dr Neharika Saxena
39	27.2.2025	Survey and surveillance of animal diseases and related parameters.	Dr Neharika Saxena
40	28.2.2025	Epidemiological methods- Descriptive, analytical,	Dr Neharika Saxena
41	1.3.2025	Experimental, theoretical, serological and molecular.	Dr Gaurab Basak
42	6.3.2025	Animal disease forecasting.	Dr Gaurab Basak
43	7.3.2025	Prevention, control and biosecurity.	Dr Monika Soni
44	20.3.2025	Strategies of disease management	Dr Monika Soni
45	21.3.2025	Economics of animal diseases.	Dr Gaurab Basak

46	22.3.2025	National and international regulations on livestock diseases.	Dr Neharika Saxena
47	27.3.2025	Role of OIE and laws on international trade of animals and animal products.	Dr Neharika Saxena
UNIT-III (ZOO NOTIC DISEASES)			
48	28.3.2025	Definition, history and socio-economic impact of zoonotic diseases.	Dr Monika Soni
49	29.3.2025	Classification of zoonoses and approaches to their management.	Dr Monika Soni
50	3.4.2025	Multisectoral approach for zoonoses prevention and control.	Dr Monika Soni
51	4.4.2025	Emerging, and zoonoses.	Dr Monika Soni
52	5.4.2025	Re-emerging zoonoses	Dr Monika Soni
53	17.4.2025	Occupational zoonoses	Dr Monika Soni
54	19.4.2025	Role of domestic, wild, pet animals in transmission of zoonoses.	Dr Monika Soni
55	24.4.2025	Role of laboratory animals and birds in transmission of zoonoses.	Dr Monika Soni
56	25.4.2025	Zoonotic pathogens as agents of bioterrorism.	Dr Monika Soni
57	26.4.2025	Epidemiology, clinical manifestations and management of the following zoonoses: Rabies	Dr Monika Soni
58	1.5.2025	Japanese encephalitis	Dr Monika Soni
59	2.5.2025	Influenza, Kyasanur forest disease	Dr Monika Soni
60	3.5.2025	Crimean Congo haemorrhagic fever	Dr Monika Soni
61	8.5.2025	Nipah encephalitis,	Dr Monika Soni
62	9.5.2025	Ebola virus infection	Dr Monika Soni
63	15.5.2025	Anthrax	Dr Gaurab Basak
64	16.5.2025	Brucellosis	Dr Gaurab Basak
65	17.5.2025	Tuberculosis	Dr Gaurab Basak
66	22.5.2025	Leptospirosis	Dr Gaurab Basak
67	23.5.2025	Listeriosis	Dr Neharika Saxena

68	24.5.2025	Plague	Dr Neharika Saxena
69	30.5.2025	Glanders	Dr Neharika Saxena
70	31.5.2025	Q fever , Rickettsiosis	Dr Monika Soni
71	5.6.2025	Chlamydiosis	Dr Monika Soni
72	6.6.2025	Taeniasis, cysticercosis	Dr Neharika Saxena
73	12.6.2025	Hydatidosis	Dr Neharika Saxena
74	13.6.2025	Visceral larva migrans	Dr Neharika Saxena
75	19.6.2025	Diphyllobothriasis, trichinellosis,	Dr Neharika Saxena
76	20.6.2025	Toxoplasmosis	Dr Monika Soni
77	21.6.2025	Fasciolosis	Dr Monika Soni
78	26.6.2025	Paragonimiasis, sarcocystosis	Dr Monika Soni
79	27.6.2025	Cryptosporidiosis	Dr Monika Soni
80	28.6.2025	Amoebiasis	Dr Monika Soni
81	3.7.2025	Giardiasis	Dr Monika Soni
82	4.7.2025	Leishmaniasis	Dr Monika Soni
83	5.7.2025	Superficial and systemic mycosis	Dr Monika Soni
84	10.7.2025	Prion diseases.	Dr Monika Soni
85	11.7.2025	Foodborne bacterial zoonoses: salmonellosis	Dr Monika Soni
86	17.7.2025	E.coli infection	Dr Monika Soni
87	18.7.2025	Staphylococcal gastroenteritis	Dr Neharika Saxena
88	19.7.2025	Clostridial food poisoning	Dr Neharika Saxena
89	24.7.2025	Campylobacteriosis	Dr Neharika Saxena
UNIT-1V (ENVIRONMENTAL HYGIENE)			
90	25.7.2025	Environmental hygiene: Scope and importance.	Dr Neharika Saxena
91	26.7.2025	Ecosystem: Components structure and functions.	Dr Neharika Saxena
92	31.7.2025	Biodiversity: uses, threats and conservation	Dr Neharika Saxena
93	1.8.2025	Natural resources: types, uses and abuses.	Dr Monika Soni
94	2.8.2025	Environmental contaminants in food chain: bioaccumulation, biomagnification and	Dr Monika Soni

		persistent organic pollutants.	
95	7.8.2025	Environmental pollution: Sources, nature of pollutants	Dr Monika Soni
96	8.8.2025	Effects on animal and human health. Rural and urban pollution.	Dr Monika Soni
97	14.8.2025	Air pollution,	Dr Neharika Saxena
98	14.8.2025	Sources and hazard	Dr Neharika Saxena
99	21.8.2025	Air pollution in animal houses	Dr Monika Soni
100	22.8.2025	Effect on health and productivity.	Dr Monika Soni
101	23.8.2025	Airborne diseases – Classification	Dr Monika Soni
102	23.8.2025	Health hazard, prevention and control.	Dr Monika Soni
103	23.8.2025	Water-Sources, contamination	Dr Monika Soni
104	28.8.2025	Prevention & control of water pollution	Dr Neharika Saxena
105	28.8.2025	Water qualities- Physical, chemical, Bacteriological and radiological	Dr Neharika Saxena
106	29.8.2025	Water purification methods for community water supplies	Dr Neharika Saxena
107	29.8.2025	Waterborne diseases – Classification Health hazard, prevention and control.	Dr Neharika Saxena
108	29.8.2025	Soil, marine pollution, Thermal pollution	Dr Neharika Saxena
109	30.8.2025	Classification, sources, hazard, prevention and control.	Dr Monika Soni
110	30.8.2025	Noise pollution – Sources, hazards, prevention and control. Nuclear hazards or radiological hazard-Types, Hazards and radiation protection	Dr Monika Soni
111	30.8.2025	National rules and legislations related to environmental pollution. Role of pollution control board in India.	Dr Monika Soni
112	4.9.2025	Biosafety: Importance, classification, Biosafety measures for prevention of risk hazards.	Dr Monika Soni
113	4.9.2025	Disaster: Types, effects, Disaster management and mitigation Solid and liquid waste management at farms.	Dr Monika Soni

114	6.9.2025	Biomedical waste management Sanitation and disinfection of farm and hospital environment in veterinary public practice for infection control	Dr Monika Soni
115	6.9.2025	Global warming and greenhouse effect Definition, greenhouse gases Impact of climate change and international treaties or Protocols.	Dr Monika Soni
116	6.9.2025	Management of waste from animal industries	Dr Neharika Saxena
117	6.9.2025	Stray and fallen animal management	Dr Neharika Saxena
118	6.9.2025	Carcass disposal, Vector and reservoir control.	Dr Monika Soni

PRACTICAL

S.no.	Date	Batch	Name of Topics	Name of Course Teacher
			UNIT-1	
1	21.11.2024	A	Collection of samples for chemical and bacteriological examination.	Dr Monika Soni
	22.11.2024	B		
	24.11.2024	C		
2	28.11.2024	A	Grading of milk by dye reduction test	Dr Neharika Saxena
	29.11.2024	B		
	30.11.2024	C		
3	05.12.2024	A	Direct microscopic examination and standard plate count.	Dr Monika Soni
	06.12.2024	B		
	12.12.2024	C		
4	13.12.2024	A	Quality assurance tests for processed milk and milk products.	Dr Monika Soni
	19.12.2024	B		
	20.12.2024	C		
5	21.12.2024	A	Tests for plant sanitation-Air, water and equipment.	Dr Monika Soni
	26.12.2024	B		
	27.12.2024	C		
6	28.12.2024	A	Microbiological examination of raw milk, pasteurized milk, milk products, meat, meat products and eggs-standard plate count,	Dr Neharika Saxena
	2.1.2025	B		
	3.1.2025	C		
7	4.1.2025	A	Coliform count, enterococcal count	Dr Monika Soni

	9.1.2025	B		
	10.1.2025	C		
8	16.1.2025	A	Psychrophilic and psychrotrophic organisms, thermophilic bacteria and yeast and mold count.	Dr Monika Soni
	17.1.2025	B		
	18.1.2025	C		
9	23.1.2025	A	Detection of organisms of public health significance from food products by techniques.	Dr Monika Soni
	24.1.2025	B		
	25.1.2025	C		
10	30.1.2025	A	Tests for detection of mastitic milk. Ante-mortem inspection of food animals	Dr Neharika Saxena
	31.1.2025	B		
	1.2.2025	C		
11	1.2.2025	A	Post-mortem inspection of food animals.	Dr Neharika Saxena
	6.2.2025	B		
	7.2.2025	C		
12	13.2.2025	A	Demonstration or detection of toxic chemicals and contaminants of public significance from milk and meat.	Dr Monika Soni
	14.2.2025	B		
	15.2.2025	C		
13	16.5.2025	A	Detection of antimicrobial residues in milk and meat by microbiological and analytical techniques.	Dr Monika Soni
	17.5.2025	B		
	22.5.2025	C		
14	22.5.2025	A	Demonstration of speciation of meat.	Dr Monika Soni
	23.5.2025	B		
	24.5.2025	C		
			UNIT-11	
15	30.5.2025	A	Sampling methods for epidemiological studies..	Dr Monika Soni
	31.5.2025	B		
	5.6.2025	C		
16	6.6.2025	A	Measurement of disease frequencies	Dr Monika Soni
	12.6.2025	B		
	13.6.2025	C		
17	19.6.2025	A	Sources, storage, retrieval and representation of disease information or data.	Dr Monika Soni
	20.6.2025	B		
	21.6.2025	C		
18	26.6.2025	A	Demonstration of selected software programmes or models.	Dr Neharika Saxena
	27.6.2025	B		
	28.6.2025	C		
19	3.7.2025	A	Evaluation of sensitivity and specificity of diagnostic tests by epidemiological methods.	Dr Neharika Saxena
	4.7.2025	B		
	5.7.2025	C		
20	10.7.2025	A	Determination of associations of disease and hypothesized causal factors.	Dr Monika Soni
	11.7.2025	B		
	17.7.2025	C		

21	18.7.2025	A	Survey of an animal disease on a farm. Epidemiological investigation of disease outbreaks.	Dr Monika Soni
	19.7.2025	B		
	24.7.2025	C		
22	25.7.2025	A	Detection, isolation and identification of important pathogens of zoonotic importance from animal.	Dr Neharika Saxena
	26.7.2025	B		
	31.7.2025	C		
23	1.8.2025	A	Detection, isolation and identification of important pathogens of zoonotic importance from human	Dr Monika Soni
	2.8.2025	B		
	7.8.2025	C		
24	1.8.2025	A	Detection, isolation and identification of important pathogens of zoonotic importance from environmental sources including foods of animal origin.	Dr Monika Soni
	2.8.2025	B		
	7.8.2025	C		
25	8.8.2025	A	Detection of zoonotic diseases by serological, molecular and hypersensitivity tests.	Dr Neharika Saxena
	14.8.2025	B		
	14.8.2025	C		
26	8.8.2025	A	Study of probable association of human disease conditions with animal diseases present in an area.	Dr Monika Soni
	14.8.2025	B		
	14.8.2025	C		
27	21.8.2025	A	Study of rural environment and health status of rural community.	Dr Monika Soni
	22.8.2025	B		
	23.8.2025	C		
28	21.8.2025	A	Sampling methods for testing quality of air, water, soil and other environmental sources.	Dr Monika Soni
	22.8.2025	B		
	23.8.2025	C		
29	21.8.2025	A	Physical, chemical and microbiological examination of water.	Dr Monika Soni
	22.8.2025	B		
	23.8.2025	C		
30	21.8.2025	A	Estimation of residual chlorine and chlorine demand.	Dr Monika Soni
	22.8.2025	B		
	23.8.2025	C		
31	28.8.2025	A	Isolation & identification of pathogens from air, water and other environmental sources.	Dr Monika Soni
	29.8.2025	B		
	30.8.2025	C		
32	28.8.2025	A	Disinfection of animal houses	Dr Monika Soni
	29.8.2025	B		
	30.8.2025	C		
33	28.8.2025	A	Determination of efficacy of	Dr Neharika Saxena

	29.8.2025	B	disinfectants – Phenol coefficient, MIC and MBC.	
	30.8.2025	C		
34	28.8.2025	A	Demonstration or visit to water purification system.	Dr Neharika Saxena
	29.8.2025	B		
	30.8.2025	C		
35	4.9.2025	A	Demonstration of various ventilation systems in animal houses and specialized laboratories.	Dr Neharika Saxena
	4.9.2025	B		
	6.9.2025	C		
36	4.9.2025	A	Demonstration of toxic residues in water and other environmental sources.	Dr Monika Soni
	4.9.2025	B		
	6.9.2025	C		
37	4.9.2025	A	Demonstration of toxic residues in other environmental sources	Dr Monika Soni
	4.9.2025	B		
	6.9.2025	C		
38	4.9.2025	A	Visit to local polluted site and documentation of local environmental problems – like dumping grounds, local slum areas, crowded localities etc.	Dr Monika Soni
	4.9.2025	B		
	6.9.2025	C		
39	4.9.2025	A	Visit to local polluted site dumping grounds	Dr Monika Soni
	4.9.2025	B		
	6.9.2025	C		
40	4.9.2025	A	Visit to local polluted site local slum areas	Dr Monika Soni
	4.9.2025	B		
	6.9.2025	C		
41	4.9.2025	A	Visit to local polluted site crowded localities	Dr Neharika Saxena
	4.9.2025	B		
	4.9.2025	C		
		D		
42	4.9.2025	A	Visit to sewage treatment plant	Dr Monika Soni Dr Neharika Saxena
		B		
		C		
		D		

Note: All the practicals will be handled by the staff members. In the absence of concerned staff members arrangement will be done by the HOD.

Professor & head

**Dept. Of VPH&E
ACVM, Jaipur**