

Training Course Curriculum (Already approved by the Worthy Vice-Chancellor, LUVAS, Hisar):

Sr. No.	Name of the Department	Topic	Days
1	Veterinary Anatomy	Collection, processing and slide preparation of tissues, maintenance of microscopes	1
2	Veterinary Physiology and Biochemistry	Haematology, urinalysis, collection of ruminal fluid, blood biochemistry, occupational hazards	3
3	Veterinary Parasitology	Fecal examination (Qualitative/Quantitative), blood smear examination for parasites	2
4	Veterinary Pharmacology	Compounding and dispensing of pharmacological preparation, handling, restraining and sample collection from laboratory animals	2
5	Veterinary Public Health and Epidemiology	TB/JD testing, feed analysis, maintenance of epidemiological data, bacteriological examination of water and food, isolation of organisms, storage of samples	2
6	Animal Genetics and Breeding	Computer applications, semen handling and cryopreservation, molecular tests, cytogenetic screening	2
7	Veterinary Clinical Complex	Collection of clinical material, exposure to clinical laboratory, precautions while handling samples	2
8	Veterinary Microbiology	Media preparation, cultural sensitivity tests, serological tests, safety issues	2
9	Veterinary Pathology	Techniques of post-mortem examination and waste disposal, sample collection, storage, histopathology	2
10	Livestock Products Technology/Dairy Science and Technology	Qualitative evaluation of meat, milk, and eggs, processing of meat and milk	2

11	Veterinary Surgery and Radiology	Preparation and sterilization of surgical packs, introduction to operation theatre	2
12	Animal Biotechnology	Up keeping of thermal cyclers and machine handling other related equipments, storage of kits, protocols (SOPs)	1
13	Animal Nutrition/ Veterinary Gynaecology and Obstetrics	Prep. of mineral mixtures, visit to Gynaecology laboratory, ultrasound machine handling etc.	1
14	Visit and introduction to laboratories/Farm	In Departments of Veterinary Animal Husbandry Extension, Livestock Production Management, FMD section, Medicine, Upkeeping of equipments, record keeping etc.	2

Tentative Training Schedule

First Training for Veterinary and Animal Science Laboratory Staff

on

"Essentials of Veterinary and Animal Science Laboratory Techniques and Procedures"

18 February (Monday) - 18 March (Monday), 2019

Venue: College of Veterinary Sciences, Lala Lajpat Rai University of Veterinary & Animal Sciences, Hisar-125 004, Haryana (India)

(Monday, 18 February, 2019)

- 10.30-11.00 AM Registration of Nominated Laboratory Staff
- 11.30 AM – 12:00 PM Formal Inauguration of the Training in Seminar Hall of the Department of Veterinary Animal Husbandry and Extension Education, New Block building, COVSc., Lala Lajpat Rai University of Veterinary & Animal Sciences, Hisar-125 004, Haryana (India)
- 12:00-12:15 PM *Tea Break*
- 12.15 to 1.00 PM Visit and introduction to laboratories/Farm- In Departments of Veterinary Animal Husbandry Extension
- 2.00 to 3.00 PM Introductory lecture by Dr. K. K. Jakhar, Professor-cum-Training Coordinator & Coordinator RVDECs, LUVAS, Hisar
- 3.00-03:15 PM *Tea Break (in front of Seminar Hall of the VAHEE, LUVAS)*
- 3.15- 4.15 PM Visit and introduction to laboratories/Farm- In FMD section, CCL Section, Clinical Medicine

(Tuesday, 19 February, 2019)

- 10.00 AM to 12.00 PM Visit and introduction to laboratories/Farm- In Departments of Livestock Production Management, ILFC, LUVAS, Hisar
- 02.00PM to 04.00 PM Visit and introduction to laboratories/Farm- In Departments of Livestock Production Management, ILFC, LUVAS, Hisar

(Wednesday, 20 February, 2019 onwards up to Saturday, 16 March, 2019)

Sr. No.	Name of the Department	Topic (s)	No. of days engaged with respective department	Date (s)	No. of Theory and Practical Classes	Timings of lectures and practical
1.	Livestock Products Technology/Dairy Science and Technology	Qualitative evaluation of meat, milk, and eggs, processing of meat and milk	2	20.02.2019 (Wednesday)	Theory-Two Practical- Two	9-10 AM and 10-11 AM 11.15 AM-1.15 PM and 2-4 PM
				21.02.2019 (Thursday)	Theory-Two Practical- Two	9-10 AM and 10-11 AM 11.15 AM-1.15 PM and 2-4 PM
2.	Veterinary Anatomy	Collection, processing and slide preparation of tissues, maintenance of microscopes	1	22.02.2019 (Friday)	Theory-Two Practical- Two	9-10 AM and 10-11 AM 11.15 AM-1.15 PM and 2-4 PM
3.	Veterinary Pathology	Techniques of post-mortem examination and waste disposal, sample collection, storage, histopathology	2	23.02.2019 (Saturday)	Theory-Two Practical- Two	9-10 AM and 10-11 AM 11.15 AM-1.15 PM and 2-4 PM
				24.02.2019 (Sunday)	Theory-Two Practical- Two	9-10 AM and 10-11 AM 11.15 AM-1.15 PM and 2-4 PM
4.	Animal Genetics and Breeding	Computer applications, semen handling and cryopreservation, molecular tests, cytogenetic screening	2	25.02.2019 (Monday)	Theory-Two Practical- Two	9-10 AM and 10-11 AM 11.15 AM-1.15 PM and 2-4 PM
				26.02.2019 (Tuesday)	Theory-Two Practical- Two	9-10 AM and 10-11 AM 11.15 AM-1.15 PM and 2-4 PM
5.	Animal Nutrition/ Veterinary Gynaecology and Obstetrics	Prep. of mineral mixtures, visit to Gynaecology laboratory, ultrasound machine handling etc.	1	27.02.2019 (Wednesday)	Theory-One (By Deptt of Animal Nutrition) Practical- Two (By Dept of VGO)	9-10 AM 11.15 AM-1.15 PM and 2-4 PM

6.	Veterinary Clinical Complex	Collection of clinical material, exposure to clinical laboratory, precautions while handling samples	2	28.02.2019 (Thursday)	Theory-Two Practical- Two	9-10 AM and 10-11 AM 11.15 AM-1.15 PM and 2-4 PM
				01.03.2019 (Friday)	Theory-Two Practical- Two	9-10 AM and 10-11 AM 11.15 AM-1.15 PM and 2-4 PM
7.	Veterinary Pharmacology	Compounding and dispensing of pharmacological preparation, handling, restraining and sample collection from laboratory animals	2	02.03.2019 (Saturday)	Theory-Two Practical- Two	9-10 AM and 10-11 AM 11.15 AM-1.15 PM and 2-4 PM
				03.03.2019 (Sunday)	Theory-Two Practical- Two	9-10 AM and 10-11 AM 11.15 AM-1.15 PM and 2-4 PM
8.	Veterinary Microbiology	Media preparation, cultural sensitivity tests, serological tests, safety issues	2	04.03.2019 (Monday)	Theory-Two Practical- Two	9-10 AM and 10-11 AM 11.15 AM-1.15 PM and 2-4 PM
				05.03.2019 (Tuesday)	Theory-Two Practical- Two	9-10 AM and 10-11 AM 11.15 AM-1.15 PM and 2-4 PM
9.	Veterinary Public Health and Epidemiology	TB/JD testing, feed analysis, maintenance of epidemiological data, bacteriological examination of water and food, isolation of organisms, storage of samples	2	06.03.2019 (Wednesday)	Theory-Two Practical- Two	9-10 AM and 10-11 AM 11.15 AM-1.15 PM and 2-4 PM
				07.03.2019 (Thursday)	Theory-Two Practical- Two	-do-
10.	Veterinary Parasitology	Fecal examination (Qualitative/Quantitative), blood smear examination for parasites	2	08.03.2019 (Friday)	Theory-Two Practical- Two	9-10 AM and 10-11 AM 11.15 AM-1.15 PM and 2-4 PM
				09.03.2019 (Saturday)	Theory-Two Practical- Two	9-10 AM and 10-11 AM 11.15 AM-1.15 PM and 2-4 PM
11.	Veterinary Physiology and Biochemistry	Haematology, urinalysis, collection of ruminal fluid, blood biochemistry, occupational hazards	3	10.03.2019 (Sunday)	Theory-Two Practical- Two	9-10 AM and 10-11 AM 11.15 AM-1.15 PM and 2-4 PM
				11.03.2019 (Monday)	Theory-Two Practical- Two	9-10 AM and 10-11 AM 11.15 AM-1.15 PM and 2-4 PM
				12.03.2019 (Tuesday)	Theory-Two Practical- Two	9-10 AM and 10-11 AM 11.15 AM-1.15 PM and 2-4 PM

12.	Animal Biotechnology	Up keeping of thermal cyclers and machine handling other related equipments, storage of kits, protocols (SOPs)	1	13.03.2019 (Wednesday)	Theory-Two Practical- Two	9-10 AM and 10-11 AM 11.15 AM-1.15 PM and 2-4 PM
13.	Veterinary Surgery and Radiology	Preparation and sterilization of surgical packs, introduction to operation theatre	2	14.03.2019 (Thursday)	Theory-Two Practical- Two	9-10 AM and 10-11 AM 11.15 AM-1.15 PM and 2-4 PM
				15.03.2019 (Friday)	Theory-Two Practical- Two	9-10 AM and 10-11 AM 11.15 AM-1.15 PM and 2-4 PM
Examination (25% Theory+75% Practical knowledge test) (Mandatory for all the participants) and Declaration of Examination result				16.03.2019 (Saturday)	Theory: 10.00 - 11.00 AM Practical: 11.00 AM-01.00 PM	
					Declaration of Examination result: 03.30 PM	

Important Note:

1. Theory lectures will be held in the Seminar Hall of the Department of Veterinary Animal Husbandry and Extension Education, New Block building, COVSc., Lala Lajpat Rai University of Veterinary & Animal Sciences, Hisar-125 004, Haryana (India).
2. Practicals will be held in the respective departments.
3. Theory lectures and Practicals will be taken by the resource persons (nominated by the HODs/In-Charge) of the respective department(s) strictly according to the dates and time as mentioned above in the training schedule.
4. Visit of the respective department/laboratory/farm thereby explaining of Upkeeping of equipments, record keeping etc. will be undertaken by the resource persons (nominated by the HODs/In-Charge) of the respective department(s)/laboratory/farm.
5. There will be tea break at 11.00-11.15 AM every day after theory lectures in the lobby of the Seminar Hall of the Department of Veterinary Animal Husbandry and Extension Education, New Block building, COVSc., Lala Lajpat Rai University of Veterinary & Animal Sciences, Hisar-125 004, Haryana.

(Sunday, 17 March, 2019)

Holiday

(Monday, 18 March, 2019)

- 10.00-11.15 AM** **Visit to different departments, Veterinary Clinics etc. of LUVAS**
- 11.30 – 01.00 PM** **Valedictory Function**

(Dr. K. K. Jakhar)
Professor -cum-Training Coordinator
& Coordinator RVDECs, LUVAS,
Hisar

CC:

- 1. SPS to Vice-Chancellor for kind information of Worthy Vice-Chancellor**
- 2. The Director General, Animal Husbandry & Dairying, Haryana for information**
- 3. The HODs, Deptt. of VAN, VPB, VPA, VPT, VPHE, AGB, VCC, VMC, VPP, LPT, VSR, ABT, ANN, VGO, Deptt. of VAHE, LPM, Vety. Medicine and In-Charge, FMD Section (COVSc.), CCL (COVSc.), ILFC LUVAS, Hisar- for information and with a request regarding compliance of the above mentioned training schedule in their respective departments and nomination of resource person(s) for taking the theory lectures, delivering practicals, department/laboratory/farm visits thereby making this training successful.**
- 4. The HOD Deptt. of Veterinary Animal Husbandry & Extension Education for sparing the Seminar Hall of the Department of Veterinary Animal Husbandry and Extension Education, New Block building, COVSc., Lala Lajpat Rai University of Veterinary & Animal Sciences, Hisar-125 004, Haryana (India) from dated 18.02.2019 to 18.03.2019.**
- 5. Dr. Vijay Jadhav, Website In-Charge, LUVAS, Hisar- with a request for uploading this schedule on the LUVAS Webpage.**