

### Travel

The participants will be reimbursed to and fro travel fare by shortest rail ( permissible upto AC II tier)/ road route as per ICAR norms on production of valid travel documents.

Mathura is well connected to major cities of India by rail and road. It is 145 km from New Delhi. The auto rickshaw can be hired from Mathura Jn. Railway Station and Bus Station for the university campus round the clock. The selected participants are advised to make return journey reservation well in advance.

### Boarding and lodging

Out station participants will be provided free boarding and lodging in the University Guest House on sharing basis. The organizers will not be able to accommodate any family members or accompanying person in the University Guest House due to limited accommodation. The weather during the month of November will be pleasant with the temperature ranging 25-35°C.

### Important Dates

Last date of application :03<sup>th</sup> October, 2017  
Notification of selection :05<sup>th</sup> October, 2017  
Course duration :06<sup>th</sup>-15<sup>th</sup> November, 2017

### Contact for details :

#### Course Director

**Dr. Amit Kumar Verma,**

Assistant Professor,  
Department of Veterinary Epidemiology  
College of Veterinary Science & Animal Husbandry  
(DUVASU) Mathura – 281001(UP)-INDIA

Email : drakverma79@gmail.com  
Mobile : +91 9456811056,  
Phone : 0565-2470199 (Office)

#### Course Coordinator

**Dr. Amit Kumar,**

Assistant Professor (Mob: 9412120813)  
Department of Veterinary Microbiology

## Application Form for ICAR Short Course on 'Molecular tools in Epidemiology of Infectious Diseases' 06<sup>th</sup> - 15<sup>th</sup> November 2017 (Fill in CAPITAL Letters)

1. Full Name : .....
2. Designation : .....
3. Postal Address : .....
4. Address to which reply should be sent (along with mobile/telephone No. and email) .....
5. Date of Birth : .....
6. Gender : ..... (Male/Female)
7. Teaching/Research/Professional experience (mention posts held during the last five years and Nos. of publications) .....
8. Marital Status ..... (Married / Unmarried)
9. DD/Postal Order No. Rs. 50/- .....  
Dated .....
10. Academic Record:

Degree	Discipline	Year	University
Ph.D.			
Master			
Graduation			

Date : \_\_\_\_\_  
Place : \_\_\_\_\_  
**(Signature of Applicant)**

11. Recommendation of forwarding authority :  
It is certified that information furnished by the candidate has been verified and found correct.

**(Signature of Sponsoring Authority with Seal)**



## ICAR Short Course on Molecular tools in Epidemiology of Infectious Diseases



**06<sup>th</sup> - 15<sup>th</sup> November 2017**



*Organised by :*  
**Department of Veterinary Epidemiology & Preventive Medicine  
College of Veterinary Science & Animal Husbandry  
(DUVASU) Mathura-281001, INDIA**



## The University (DUVASU)

The university is located at Brij Bhumi Mathura, the birth place of Lord Krishna. The Brij area is known since time immemorial for Lord Krishna and its animal wealth, particularly cows. The whole of Brij Kshetra is famous for its milk and milk products (doodh, dahi, makhan, pera etc.). Recognizing the importance of livestock of this area, the erstwhile U.P. College of Veterinary Science and Animal Husbandry was established in Mathura by Government of U.P. in 1947. It was the first Veterinary College in Asia to confer the degree in Veterinary Sciences. In the year 1975, this College was made a constituent College of the C.S. Azad University of Agriculture and Technology, Kanpur. However, keeping in view the requirement of trained and competent manpower in the field of Veterinary Sciences, Animal Husbandry, Fisheries and other allied disciplines and also to boost research on different aspects of cattle production, Govt. of Uttar Pradesh established U.P. Pandit Deen Dayal Upadhyaya Pashu Chikitsa Vigyan Vishwavidyalaya Evam Go-Anusandhan Sansthan, Mathura, the fourth Veterinary University in the country on 25.10.2001. The University is located on the Mathura-Agra road and is about 5 km from Mathura Junction Railway Station and 4 km from new bus stand. The main campus of the University is spread over a vast land area of 782.32 acres in Mathura Cantt and about 1400 acres at Madhurikund, about 20 km from the main campus.

## Department of Veterinary Epidemiology & Preventive Medicine

The department was established in 1991 by amalgamating the VIO section of the erstwhile UP college of Veterinary Sciences & Animal Husbandry. Postgraduate programmes were introduced in the year 1997 and so far, 06 doctorate and 22 masters students have completed their respective degrees. In state government, the department serves as the

"Apex Diagnostic Centre" with the state of the art laboratories for disease diagnosis and has made significant contributions in diagnosis and control of different infectious and contagious diseases. Department has the distinction of having been bestowed with Jawahar Lal Nehru Award and various other awards like ICAR emeritus scientist award, young scientist award, best research paper award, best poster awards, best review paper award etc. Department is actively engaged in teaching of undergraduate, postgraduate and doctorate courses. The laboratories of the department are well equipped to undertake teaching and research on conventional and molecular techniques like isolation of microorganisms, their molecular characterization and other epidemiological studies, which imparts hands on training to students. Department has successfully completed various projects viz., All India Coordinated Research Project on epidemiological studies on foot and mouth disease, Impact of vaccination on the control of bovine brucellosis, Molecular epidemiology of *Mycoplasma bovis* and Infectious Bovine Rhinotracheitis in ruminants, Molecular epidemiology of the infectious bovine rhinotracheitis (IBR) virus and development of quick diagnostic tool in ruminants, Studies on Campylobacteriosis in dogs funded by Indian Council of Agriculture Research (ICAR), Uttar Pradesh Council of Agriculture Research (UPCAR), University, other government and non-government funding agencies.

## About the course

In the event of disease outbreak, epidemiologists/specialist of infectious diseases working in the veterinary field sometime find themselves lacking the accurate diagnosis procedure and control the spread of the pathogen. The course provides the basic and advance knowledge to epidemiology of infectious disease, surveillance and diagnosis with molecular and immunological tools like

Immunoassays, PCR, RT-PCR, flow-cytometry, electron microscopy, recombinant DNA technology, gene cloning and expression, western blot analysis, Restriction analysis, AFLP and nanotechnology etc. Teaching methods will include a mixture of interactive practical sessions and lectures. Practical exercises will use data of particular relevance to current issues in infectious disease control. A heterogeneous group of distinguished researchers, other than parent division are also expected to interact with participants. It is expected that short course amalgamating the basic concepts and current progress in area of animal health shall provide a good platform to participating professionals to enhance their competence and work efficiency by knowledge and experience gained.

## Eligibility

- 1 Master's Degree in Epidemiology /Preventive Medicine/ Veterinary Medicine / Microbiology/ Public Health/ Pathology/ Biotechnology and allied disciplines of life sciences.
- 2 Personnel in ICAR Institutes/State AUs/State Veterinary University/ CAU/ Agricultural faculty of Aligarh Muslim University, Banaras Hindu University, Vishwa Bharti and Nagaland University in the cadre of Assistant Professors or equivalent and above.

## Selection of participants

Applicants are advised to make online application at <http://www.cbpiicar.gov.in> and also send assigned hard copy of the same to the Course Director through proper channel before the last date. A maximum of 25 participants will be selected for the course by a screening committee as per the ICAR guidelines. The selected participants will have to pay a sum of Rs. 50/- as Registration fee by Postal order/demand draft in favour of "Finance Officer, Veterinary University (DUVASU), Mathura", payable at Mathura.