

Courses

M.V.Sc. (Veterinary Microbiology and Immunology)

Major Courses

Course number	Course title	Credit hours
VMC-601	General Bacteriology	3 (2-0-1)
VMC-603	General Virology	3 (2-0-1)
VMC-605	Principles of Veterinary Immunology	3 (2-0-1)
VMC-606	Veterinary Mycology	3(2-0-1)
Remaining credits to be chosen from list of post graduate courses of Veterinary Microbiology 600 series		9

Seminar

VMC-600	Master's Seminar	1
---------	------------------	---

Optional/Minor Courses

8

Supporting Courses

BBC-603	Basic Biochemistry	3 (3-0-0)
BBC-605	Basic Techniques in Biochemistry	1 (0-0-1)
BPS-625	Statistical Methods	3 (2-0-1)

Common Courses

BHS-500	Technical Writing and Communication Skills	1 (0-0-1)
BHS/AAC-502	Research, Research Ethics and Rural Development Programmes	1 (1-0-0)
BPC-506	Basic Concepts in Laboratory Techniques	1 (0-0-1)
AGP-518	Intellectual Property and its Management	1 (1-0-0)
BHS-611	Library and Information Services	1 (1-1-0)

Research

VMC-690	Master's Thesis Research	30
---------	--------------------------	----

Total 71

Ph.D. (Veterinary Microbiology and Immunology)

Major Courses

Course number	Course title	Credit hours
VMC-701	Advances on Veterinary Bacteriology	3 (2-0-1)
VMC-706	Advances in Veterinary Virology	3 (2-0-1)
VMC-711	Advances in Veterinary Immunology	3 (2-0-1)
Remaining credits to be chosen from list of post graduate courses of Veterinary Microbiology 700 series		3

Seminar

VMC-788	Doctoral Seminar I	1
VMC-789	Doctoral Seminar II	1
Optional/Minor Courses		6
Supporting Courses		
BHS-652	Research Methodology I	1 (1-0-0)
BPS-653	Research Methodology II	3 (2-0-1)
BHS-654	Research and Publication Ethics	2 (2-0-0)
Research		
VMC-790	Ph.D. Thesis Research	75
Total		101
Minor Courses (For other departments)		
VMC-701*	Advances in Veterinary Bacteriology	3 (2-0-1)
VMC-706 #	Advances in Veterinary Virology	3 (2-0-1)
Prerequisite VMC 601*, VMC 603 [#]		

List of Post Graduate Courses

Course Code	Course Name	Credit hours
VMC 601	General Bacteriology	3(2-0-1)
VMC 602	Systematic Veterinary Bacteriology	3(2-0-1)
VMC 603	General Virology	3(2-0-1)
VMC 604	Systematic Veterinary Virology	3(2-0-1)
VMC 605	Principles of Veterinary Immunology	3(2-0-1)
VMC 606	Veterinary Mycology	2(1-0-1)
VMC 607	Vaccinology	2(2-0-0)
VMC 608	Techniques in Microbiology	2(0-0-2)
VMC 609	Techniques in Molecular Microbiology	3(1-0-2)
VMC 610	Molecular Immunology	2(1-0-1)
VMC 611	Mucosal Immunology	1(1-0-0)
VMC 612	Introduction to Microbial Bioinformatics	1(1-0-0)
VMC 687	Master's Special Problem	1 or 2
VMC 688	Master's Seminar	1
VMC 690	Master's Thesis Research	30
VMC 701	Advances in Veterinary Bacteriology	3(2-0-1)
VMC 702	Advances in Veterinary Mycology	3(2-0-1)
VMC 703	Bacterial Genetics	2(2-0-0)
VMC 704	Microbial Toxins	3(2-0-1)
VMC 705	Bacterial Pathogenesis	2(2-0-0)
VMC 706	Advances in Veterinary Virology	3(2-0-1)
VMC 707	Molecular Viral Pathogenesis	3(2-0-1)
VMC 708	Structure Function Relationship of DNA and RNA Viruses	2(2-0-0)
VMC 709	Oncogenic Viruses	2(2-0-0)
VMC 710	Slow Viral Infections and Prions	1(1-0-0)
VMC 711	Advances in Veterinary Immunology	3(2-0-1)
VMC 712	Cytokines and Chemokines	2(2-0-0)
VMC 713	Immunoregulation	1(1-0-0)
VMC 714	Advances in Vaccinology	2(2-0-0)
VMC 715	Current topics in Infection and Immunity	2(2-0-0)
VMC 716	Veterinary Microbial Biotechnology	3(2-0-1)
VMC 787	Doctoral Special Problem	1 or 2
VMC 788	Doctoral Seminar I	1
VMC 789	Doctoral Seminar II	1
VMC 790	Ph. D. Thesis Research	75