

**M. Sc. Microbiology Syllabus Equivalence**  
*Old syllabus (implemented from June, 2005) and*  
*New syllabus (implemented from June, 2008)*

<b>Equivalence to</b>			
<b>OLD SYLLABUS (June 2005)</b>		<b>NEW SYLLABUS (June 2008)</b>	
<b>Course Number</b>	<b>Title</b>	<b>Course Number</b>	<b>Title</b>
<b>M. Sc. Part – I Semester – I</b>			
Theory course I – MB-501	Microbial Diversity and taxonomy	Theory Course I - MB-501	Microbial Diversity and Taxonomy
Theory course I – MB-502	Quantitative Biology	Theory Course II - MB-502	Quantitative Biology
Theory course I – MB-503	Organization of living systems	Theory Course III - MB-503	Cell Organization and Biochemistry
Practical course I- MB-511	Microbial diversity, Systematics and Scientific communication	Practical Course I - MB-511	Microbial Diversity and Systematics
Practical course I- MB-512	Essential laboratory techniques, Biochemistry and cell biology	Practical Course II - MB-512	Cell Biology and Biochemistry
<b>M. Sc. Part I Semester – II</b>			
Theory course I – MB-601	Virology	<i>Semester III</i> Theory Course III - MB-703	Virology
Theory course I – MB-602	Evolution, Ecology and Environmental Microbiology	Theory Course II - MB-602	Evolution, Ecology and Environmental Microbiology
Theory course I – MB-603	Microbial Metabolism	Theory Course III - MB-603	Microbial Metabolism
Practical course I- MB-611	Ecology, Environmental Microbiology and Environmental toxicology	Practical Course I - MB-611	Ecology and Environmental Microbiology
Practical course I- MB-612	Microbial Metabolism, Tissue culture and Virology	Practical Course II - MB-612	Enzymology and Microbial Metabolism

<b>Equivalence to</b>			
<b>OLD SYLLABUS (June 2005)</b>		<b>NEW SYLLABUS (June 2008)</b>	
<b>Course Number</b>	<b>Title</b>	<b>Course Number</b>	<b>Title</b>
<b>M. Sc. Part II Semester III</b>			
Theory course I – MB-701	Immunology.	Theory Course I - MB-701	Immunology
Theory course II- MB-702	Molecular Biology I	Theory Course II - MB-702	Molecular Biology I
Theory course II- MB-703	Biophysics, Instrumentation and Bioinformatics	<b>Semester II</b> Theory Course I - MB-601	Instrumentation and Molecular Biophysics
Practical course MB-711	Immunology, Biophysics and Instrumentation	Practical course MB-711	Biotechnology and Scientific Communication
Practical course MB-712	Molecular Biology, Bioinformatics and Applied	Practical course MB-711-2	Molecular Biology and Immunology
<b>M. Sc. Part II Semester IV</b>			
Theory course I - MB-801	Applied Microbial Biotechnology	Theory Course III- MB-803	Microbial Biotechnology
Theory course II – MB-802	Pharmaceutical Microbiology	Theory Course I- MB-801	Pharmaceutical and Medical Microbiology
Theory course III- MB-803	Molecular Biology II	Theory Course II- MB-802	Molecular Biology II
Practical course MB-811	Dissertation.	Practical Course I - MB-811	Research Methodology – I (Dissertation)
Practical course MB-812	Dissertation.	Practical Course II - MB-812	Research Methodology – II (Dissertation)