

**SYLLABI FOR M.Sc. BIOCHEMISTRY AND MOLECULAR BIOLOGY  
(2009 ONWARDS)**

<b>SL.NO.</b>	<b>NAME OF THE COURSE</b>	<b>CREDIT</b>	<b>PAGE NO</b>
<b>FIRST SEMESTER</b>			
<b>BMB 401</b>	<b>BIOMOLECULES</b>	<b>3</b>	<b>1</b>
<b>BMB 402</b>	<b>HUMAN PHYSIOLOGY</b>	<b>3</b>	<b>2</b>
<b>BMB 418</b>	<b>CELL BIOLOGY</b>	<b>3</b>	<b>3</b>
<b>BMB 404</b>	<b>ANALYTICAL BIOCHEMISTRY &amp; BIOPHYSICS</b>	<b>3</b>	<b>4</b>
<b>BMB 405</b>	<b>BIostatISTICS &amp; SCIENTIFIC WRITING (Soft Core)</b>	<b>3</b>	<b>6</b>
<b>BMB 451</b>	<b>BIOMOLECULES LAB</b>	<b>1</b>	<b>7</b>
<b>BMB 452</b>	<b>HUMAN PHYSIOLOGY LAB</b>	<b>1</b>	<b>7</b>
<b>BMB 464</b>	<b>CELL BIOLOGY LAB</b>	<b>1</b>	<b>8</b>
<b>BMB 454</b>	<b>ANALYTICAL BIOCHEMISTRY &amp; BIOPHYSICS LAB</b>	<b>1</b>	<b>8</b>
<b>SECOND SEMESTER</b>			
<b>BMB 406</b>	<b>METABOLISM &amp; REGULATION</b>	<b>3</b>	<b>9</b>
<b>BMB 407</b>	<b>ENZYMOLoGY</b>	<b>3</b>	<b>10</b>
<b>BMB 409</b>	<b>BIOINFORMATICS (Soft Core)</b>	<b>3</b>	<b>11</b>
<b>BMB 411</b>	<b>GENERAL MICROBIOLOGY</b>	<b>3</b>	<b>13</b>
<b>BMB 412</b>	<b>CLINICAL BIOCHEMISTRY</b>	<b>3</b>	<b>14</b>
<b>BMB 413</b>	<b>ENDOCRINOLOGY</b>	<b>3</b>	<b>15</b>
<b>BMB 414</b>	<b>MOLECULAR BIOLOGY</b>	<b>3</b>	<b>16</b>
<b>BMB 455</b>	<b>METABOLISM &amp; REGULATION LAB</b>	<b>1</b>	<b>17</b>
<b>BMB 456</b>	<b>ENZYMOLoGY LAB</b>	<b>1</b>	<b>17</b>
<b>BMB 458</b>	<b>BIOINFORMATICS LAB (Soft Core)</b>	<b>1</b>	<b>18</b>
<b>BMB 459</b>	<b>MICRO BIOLOGY LAB</b>	<b>1</b>	<b>18</b>
<b>BMB 460</b>	<b>CLINICAL BIO CHEMISTRY LAB</b>	<b>1</b>	<b>19</b>
<b>BMB 461</b>	<b>MOLECULAR BIOLOGY LAB</b>	<b>1</b>	<b>19</b>

<b>SL.NO.</b>	<b>NAME OF THE COURSE</b>	<b>CREDIT</b>	<b>PAGE NO</b>
<b>THIRD SEMESTER</b>			
<b>BMB 501</b>	<b>MOLECULAR BASIS OF CELLULAR DISORDERS</b>	<b>3</b>	<b>20</b>
<b>BMB 502</b>	<b>MOLECULAR IMMUNOLOGY</b>	<b>3</b>	<b>21</b>
<b>BMB 503</b>	<b>PLANT PHYSIOLOGY</b>	<b>3</b>	<b>22</b>
<b>BMB 509</b>	<b>GENETIC ENGINEERING</b>	<b>3</b>	<b>23</b>
<b>BMB 510</b>	<b>CANCER BIOLOGY</b>	<b>3</b>	<b>24</b>
<b>BMB 551</b>	<b>MOLECULAR IMMUNOLOGY LAB</b>	<b>1</b>	<b>25</b>
<b>BMB 552</b>	<b>PLANT PHYSIOLOGY LAB</b>	<b>1</b>	<b>25</b>
<b>BMB 554</b>	<b>GENETIC ENGINEERING LAB</b>	<b>1</b>	<b>26</b>
<b>FOURTH SEMESTER</b>			
<b>BMB 506</b>	<b>PROTEOMICS</b>	<b>3</b>	<b>27</b>
<b>BMB 507</b>	<b>MOLECULAR ENDOCRINOLOGY</b>	<b>3</b>	<b>28</b>
<b>BMB 508</b>	<b>PLANT BIOTECHNOLOGY (Soft core)</b>	<b>3</b>	<b>29</b>
<b>BMB 511</b>	<b>NEUROBIOLOGY (Soft Core)</b>	<b>3</b>	<b>30</b>
<b>BMB 512</b>	<b>DEVELOPMENTAL BIOLOGY (Soft Core)</b>	<b>3</b>	<b>31</b>
<b>BMB 575</b>	<b>PROJECT (Soft Core)</b>	<b>4</b>	

**TIME TABLE - III SEMESTER**

**July 2011-12**

**Effective from July 04, 2011**

<b>PERIODS DAYS</b>	<b>8: 30 A.M. TO 9:30A.M.</b>	<b>9: 30 A.M. TO 10:30A.M.</b>	<b>10:30 A.M. TO 11:30 A.M.</b>	<b>11:30 A.M TO 12:30 P.M.</b>	<b>12:30 P.M TO 1:30 P.M.</b>	<b>2:30 P.M. TO 5:30 P.M.</b>
<b>MONDAY</b>	<b>BMB-508 CT ( R.No.037)</b>	<b>BMB-510 CT (R.No.037)</b>	<b>BMB-502 SS ( R.No.037)</b>	<b>BMB-509 PL ( R.No.037)</b>		<b>BMB 460 RR &amp; PL (R.NO.030)</b>
<b>TUESDAY</b>	<b>BMB-508 CT ( R.No.037)</b>	<b>BMB-509 PL ( R.No.037)</b>	<b>BMB 412 RR ( R.No.037)</b>	<b>BMB-411 SS ( R.No.037)</b>	-	<b>BMB-551 SS &amp; RR (R.NO.030)</b>
<b>WEDNESDAY</b>	<b>BMB 509 PL ( R.No.037)</b>	<b>BMB-510 CT (R.No.037)</b>	<b>BMB 501 KS ( R.No.037)</b>	<b>BMB 412 RR ( R.No.037)</b>	-	<b>BMB 554 PL &amp; SS (R.NO.030)</b>
<b>THURSDAY</b>	<b>BMB-508 CT ( R.No.037)</b>	<b>BMB 502 RR ( R.No.037)</b>	<b>BMB 501 KS ( R.No.037)</b>	<b>BMB 502 SS ( R.No.037)</b>		<b>BMB 575 PROJECT</b>
<b>FRIDAY</b>	<b>BMB-510 CT ( R.No.037)</b>	Soft core lab			<b>BMB-501 KS ( R.No.037)</b>	<b>SEMINAR (R.NO. 135)</b>

<b>CODE</b>	<b>NAME OF THE COURSE</b>	<b>FACULTY</b>
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<b>BMB-501</b>	<b>Molecular Basis of Cellular Disorders</b>	<b>Dr.K.Srikumar</b>
<b>BMB-508 (Soft core)</b>	<b>Plant Biotechnology</b>	<b>Dr. C. Thirunavukkarasu</b>
<b>BMB- 509</b>	<b>Genetic Engineering</b>	<b>Dr. P. Latha</b>
<b>BMB-510</b>	<b>Cancer Biology</b>	<b>Dr. C.Thirunavukkarasu</b>
<b>BMB- 502</b>	<b>Molecular Immunology</b>	<b>Dr. S. Sudha</b>
<b>BMB-412</b>	<b>Clinical Biochemistry</b>	<b>Dr. R. Rukkumani</b>
<b>BMB-554</b>	<b>Genetic Engineering Lab</b>	<b>Dr. P. Latha</b>
<b>BMB-551</b>	<b>Molecular Immunology Lab</b>	<b>Dr. S Sudha</b>
<b>BMB-460</b>	<b>Clinical Biochemistry Lab</b>	<b>Dr.R.Rukkumani</b>

**DEPARTMENT OF BIOCHEMISTRY AND MOLECULAR BIOLOGY**

**TIME TABLE – I SEMESTER**

Effective from July 15, 2011

<b>PERIODS DAYS</b>	<b>9: 30 A.M. TO 10:20A.M.</b>	<b>10:30 A.M. TO 11:20 A.M.</b>	<b>11:30 A.M TO 12:20 P.M.</b>	<b>2:00 P.M. TO 5:30 P.M.</b>
<b>MONDAY</b>	<b>BMB 405 RR (R.No. 135)</b>	<b>BMB 404 KS R.No.135)</b>	<b>BMB 401 PPM (R.No. 135)</b>	<b>BMB 463 CT &amp; KJ (R.No.051 &amp; 052)</b>
<b>TUESDAY</b>	<b>BMB 418 CT (R.No. 135)</b>	<b>BMB 402 KJ R.No.135)</b>	<b>BMB 404 KS (R.No.135)</b>	<b>BMB 451 PPM &amp; KS (R.No.051 &amp; 052)</b>
<b>WEDNESDAY</b>	<b>BMB 405 RR (R.No. 135)</b>	<b>BMB 401 PPM (R.No. 135)</b>	<b>BMB 402 KJ (R.No. 135)</b>	<b>BMB 45 KJ &amp; CT (R.No.051 &amp; 052)</b>
<b>THURSDAY</b>	<b>BMB 402 KJ (R.No. 135)</b>	<b>BMB 418 CT (R.No. 135)</b>	<b>BMB 401 PPM (R.No. 135)</b>	<b>BMB 454 KS &amp; PPM (R.No.051 &amp; 052)</b>
<b>FRIDAY</b>	<b>BMB 405 RR (R.No. 135)</b>	<b>BMB 404 KS (R.No. 135)</b>	<b>BMB 418 CT (R.No. 135)</b>	<b>SEMINAR (R.No.135)</b>

\* All lab courses will be carried out in 2 batches

<b>CODE</b>	<b>SUBJECT</b>	<b>FACULTY</b>
<b>BMB 401</b>	<b>Biomolecules</b>	<b>Dr.P.P.Mathur</b>
<b>BMB 402</b>	<b>Human Physiology</b>	<b>Dr.K.Jeevaratnam</b>
<b>BMB 418</b>	<b>Cell Biology</b>	<b>Dr.C.Thirunavukkarasu</b>
<b>BMB 404</b>	<b>Analytical Biochemistry &amp; Biophysics</b>	<b>Dr.K.Srikumar</b>
<b>BMB 405</b>	<b>Biostatistics &amp; Scientific Writing</b>	<b>Dr.R. Rukkumani</b>
<b>BMB-451</b>	<b>Biomolecules Lab</b>	<b>Dr.P.P.Mathur</b>
<b>BMB-452</b>	<b>Human Physiology Lab</b>	<b>Dr.K.Jeevaratnam</b>
<b>BMB-463</b>	<b>Cell Biology Lab</b>	<b>Dr.C.Thirunavukkarasu</b>
<b>BMB-454</b>	<b>Analytical Biochemistry &amp; Biophysics Lab</b>	<b>Dr.K.Srikumar</b>

**Department of Biochemistry and Molecular Biology**  
**Course: M.Sc. Microbiology**

**TIME TABLE - III SEMESTER**  
**(at Lecture Hall Complex, Room No. LHC 08)**  
**Effective from 4<sup>th</sup> July, 2011**

<b>PERIODS</b> <b>DAYS</b>	<b>9: 30 A.M.</b> <b>TO</b> <b>10:20A.M.</b>	<b>10:30A.M.</b> <b>TO</b> <b>11:20A.M.</b>	<b>11:30A.M.</b> <b>TO</b> <b>12:20P.M.</b>	<b>2:00 P.M</b> <b>TO</b> <b>3:00 P.M.</b>	<b>3:00 P.M</b> <b>TO</b> <b>4:00 P.M</b>	<b>4:00 P.M</b> <b>TO</b> <b>5.00 P.M</b>
<b>MONDAY</b>	<b>MB 502</b> (Dr.VV)	<b>MB 504</b> (Dr.JL)	<b>MB 503</b> (Mr.KMA)	<b>MB 502</b> (Dr.VV)	<b>MB 501</b> (Mr.KMA)	<b>Seminar</b> (Dr.VV)
<b>TUESDAY</b>	<b>MB 505</b> (Dr.VV)	<b>MB 504</b> (Dr.JL)	<b>MB 501</b> (Mr.KMA)	<b>MB 505</b> (Dr.JL)	<b>MB 505</b> (Dr.VV)	<b>Library</b>
<b>WEDNESDAY</b>	<b>MB 505</b> (Dr.VV)	<b>MB 503</b> (Mr.KMA)	<b>MB 504</b> (Dr.JL)	<b>MB 501</b> (Dr.PL)	<b>MB 502</b> (Dr.VV)	<b>Seminar</b> (Dr.PL)
<b>THURSDAY</b>	<b>MB 502</b> (Dr.VV)	<b>MB 504</b> (Dr.JL)	<b>MB 503</b> (Mr.KMA)	<b>MB 505</b> (Dr.VV)	<b>MB 501</b> (Dr.PL)	<b>Seminar</b> (Mr.KMA)
<b>FRIDAY</b>	<b>MB 502</b> (Dr.VV)	<b>MB 501</b> (Dr.PL)	<b>MB 504</b> (Dr.JL)	<b>MB 503</b> ( Mr.KMA )	<b>MB 505</b> (Dr.VV)	<b>Seminar</b> (Dr.JL)

**CODE**

**COURSE**

**FACULTY**

<b>MB-501</b>	Genetic Engineering Theory	<b>Dr. P. Latha/ Mr. K.M. Alagappan</b>
<b>MB-502</b>	Food Microbiology Theory	<b>Dr. V. Venkatakrishnan</b>
<b>MB-503</b>	Fermentation Technology Theory	<b>Mr. K.M. Alagappan</b>
<b>MB-504</b>	Medical Microbiology Theory	<b>Dr. J. Lalitha</b>
<b>MB-505</b>	Industrial Microbiology Theory	<b>Dr. V. Venkatakrishnan</b>
<b>MB-551</b>	Genetic Engineering Lab	<b>Dr. P. Latha/ Mr. K.M. Alagappan</b>
<b>MB-552</b>	Food Microbiology Lab	<b>Dr. V. Venkatakrishnan</b>
<b>MB-553</b>	Fermentation Technology Lab	<b>Mr. K.M. Alagappan</b>
<b>MB-554</b>	Medical Microbiology Lab	<b>Dr. J. Lalitha</b>

Lab Courses will be arranged at a later date