

<b>Course Title</b>	Virology		
<b>Semester</b>	3-2	<b>Course Type</b>	Advanced
<b>Course Number</b>	13108-00	<b>No. of Credit</b>	3/3/0
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<b>Objective</b>	<p>To understand the molecular mechanisms of infection, replication, and gene expression of various viruses to develop the strategies to prevent and control viral diseases.</p>		
<b>Syllabus</b>	<ol style="list-style-type: none"> <li>1. Viruses and diseases</li> <li>2. Virus and human</li> <li>3. Classification of Viruses</li> <li>4. DNA single strand virus</li> <li>5. DNA double strand virus</li> <li>6. RNA single strand (+) virus</li> <li>7. RNA single strand (-) virus</li> <li>8. RNA double strand virus</li> <li>9. Retrovirus</li> <li>10. Viroid</li> <li>11. Prion</li> <li>12. Viral oncogenesis</li> <li>13. DNA tumor virus</li> <li>14. RNA tumor virus</li> <li>15. Gene therapy using virus</li> </ol>		