

Textbooks	Human virology, Microbiology, Medical microbiology
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Weekly Schedule

week	Theoretical Content
.1	Introduction of virology (History, definition, origins of viruses). Morphology, shape, size, structure.
.2	Chemical composition of viruses. Taxonomy and classification of viruses.
.3	Multiplication of viruses. Transmission of viruses, and Host range.
.4	Pathogenesis of viral diseases and Effects of viruses on the host cells. ROUTES OF VIRUS ENTRY
.5	Immunity of Viruses (Innate and Specific Immunity). Vaccine (Killed and live- attenuated virus vaccines).
.6	Viruses of human medical important. DNA Viruses(Enveloped and non- enveloped)
.7	RNA viruses (Enveloped and non- enveloped)
.8	EFFECTS OF VIRAL INFECTION ON CELLS <i>Morphological alterations , Lytic infection, Persistent Viral Infection</i> TRANSFORMATION (CANCER FORMATION)
.9	Taxonomy of Tumor Viruses - DNA viruses and their mechanism , Mutation
10	Beneficial Use of Viruses