

## Principle Courses for Master Degree

<b>Code &amp; Name</b>	<b>Contents</b>
<b><u>VIR-1070</u></b> Advanced General Virology	<b>Virus structure - Classification - Replication - Virus-host interactions – Oncogenesis - Interference and interferons – Immunity against virus infections – Virus genetics and evolution – Virus vaccines and vaccination – Epidemiology – Concepts in molecular diagnosis.</b>
<b><u>VIR-1071</u></b> Viral Immunology	<b>Components of the immune systems – The role of different cells involved in the immune response – The basic immunologic response to viruses – Innate immune response – Dendritic cells – The role of phagocytic cells in virus infection – B and T cells in adaptive immunity – Immune enhancement and transfer of immunity - Virus evasion of host immune defenses – Cytokines and their receptors – Virus vaccines and vaccination – Vaccination failure.</b>