



**DOCTORAL SCHOOL OF THE INSTITUTE
OF IMMUNOLOGY AND EXPERIMENTAL THERAPY
POLISH ACADEMY OF SCIENCES**

Rudolfa Weigla 12, 53-114 Wrocław, Poland szkoladoktorska.hirszfeld.pl

Doctoral School Syllabus

Course Title	Selected Topics in Virology
Form of classes	Lecture
Lecturer	Dr hab. Beata Orzechowska
Number of hours	10
Subject status	Optional
Languages of classes	English
Entry requirements	None
Course description	This course will cover the principles of virology. The main emphasis of the course is on biology of human, animal viruses 1. History of Virology, Viral evolution, The bases of viral genetic variability 2. Virus Structure and classification 3. Viral life cycle 4. Antiviral drugs and vaccines 5. Oncogenic and oncolytic viruses 6. Virus-host interactions
Learning outcomes	P8S_WG, P8S_WK, P8S_UW, P8S_KR
Method of verification of learning outcomes	Monitoring of attendance and assessment of students' progress in relation to the course topics, or (if decided) preparation of written or oral work (e.g., a individual or group paper or presentation) based on selected topics related to the course content.
Supplementary literature	1. Principles of Virology; S. Jane Flint, Vincent R. Racaniello, Glenn F. Rall, Anna Marie Skalka, Lynn W. Enquist; Latest edition: 5th Edition (2025) 2. Medical Microbiology; Patrick R. Murray, Ken S. Rosenthal, Michael A. Pfaller, 10th Edition (2025)

