Subject card: Immunology

General information about the subject	
1. Field of study: Medical Program	**2. Level of studies:** uniform master studies
	3. Semester: according to the schedule

4. Name of subject: Immunology	

5. Subject content and associated learning outcomes

Development, structure, mechanisms of action and importance of the immune system; major histocompatibility complex; cytokines; immunohematology - genetic determinants of human blood groups; types of hypersensitivity reactions, types of immunodeficiencies and the basics of immunomodulation; genetic basis of transplantation immunology; immune tolerance; cancer immunology and immunotherapy; analysis of the blood preparation under the microscope; diagnostics using the "antigen-antibody" reaction; interpretation of immunological test results; analysis of reactive, defensive and adaptive phenomena as well as regulation disorders caused by an etiological factor; autoimmune diseases; immunoprophylaxis; performing and interpreting the results of selected immunological diagnostic methods; critical analysis of the literature.

Form of approval: EXAM

6. Amount of hours intended for subject	**90**
7. Amount of ECTS points intended for subject	**6**

According to the regulations of the subject, Resolution of the Rector No. 75/2016 with further amendments the grade obtained means that:

Very good (5,0) - the assumed learning outcomes have been achieved and largely exceed the required level

Better than good (4,5) - the assumed learning outcomes have been achieved and slightly exceed the required level

Good (4,0) – the assumed learning outcomes were achieved on the required level

better than satisfactory (3,5) – the assumed learning outcomes were achieved on the average required level

satisfactory (3,0) - the assumed learning outcomes were achieved at the minimum required level

unsatisfactory (2,0) – the assumed learning outcomes were not achieved.