

Subject card: Molecular biology

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: Molecular biology	
5. Subject content and associated learning outcomes Selected concepts and issues in the field of genetics and molecular biology; molecular basis of the cell cycle, apoptosis and mutagenesis; inheritance of non-nuclear genetic information; regulation of gene expression; basics of molecular diagnostics; basics of cytogenetics; genetic conditioning of blood groups and serological conflict; sex determination; the molecular basis of the aging process; the impact of GMOs on the ecosystem; the use of stem cells in medicine; processing and using information using IT tools and modern sources of medical knowledge.	
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.