

Course description

Part 1

General information about the course			
1. Major of study: medicine		2. Study level: unified MSc	
		3. Form of study: intramural	
4. Year: III		5. Semester: VI	
6. Course name: Genetics II			
7. Course status: required			
8. Course objectives			
Bases of clinical genetics Pedigree construction, recognition of inheritance patterns on the basis of pedigree analysis. Division, clinical picture, the risk of recurrence of genetic disorders. Indications, rules, schema in genetic counseling. Prenatal diagnosis . Chromosomal abnormalities. Numerical and structural chromosomal aberrations and contiguous gene syndromes. Autosomal dominant, autosomal recessive, and X-linked diseases. Congenital abnormalities. Incidence, definitions, etiology and classification of birth defects.			
Learning outcomes / reference to learning outcomes indicated in (underline as appropriate): <u>education standards (Regulation of the Ministry of Science and Higher Education) / Resolution of the Senate of the Medical University of Silesia (indicate terms specified in education standards / signs of learning outcomes approved by the Resolution of the Senate of the Medical University of Silesia)</u> For knowledge student knows and understands C.W7; C.W9; C.W41; C.W42; E.W3.10; E.W25; E.W37 For skills student can do: B.U10; C.U3; C.U5 For social competencies student is ready to: percept and to recognize personal limitations and to accomplish self-evaluation of his/her own deficits and educational needs; to benefit from objective sources of information.			
9. Number of hours for the course		60	10. Number of ECTS points for the course
			4
11. Form of evaluation: grade credit			
12. Methods of verification and evaluation of learning outcomes			
Learning outcomes	Methods of verification		Methods of evaluation*/ credit
Knowledge	Written evaluation – open questions Grade credit – MCQ Test of Choice Yes/No Test of matching answers Short structural questions		*Exam - MCQ
Skills	Worksheets Observation Multimedial presentation		* Passing of personally prepared multimedial presentation * correct completion of the worksheets
Competencies	Observation		*

* For exams and grade credits the following evaluation system has been assumed:

Very good (5,0) – the assumed learning outcomes have been achieved and significantly 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 have been achieved at the required level

Better than satisfactory (3,5) – the assumed learning outcomes have been achieved at the average required level

Satisfactory (3,0) – the assumed learning outcomes have been achieved at the minimum required level

Unsatisfactory (2,0) – the assumed learning outcomes have not been achieved