



**DEPARTMENT OF GENETICS (MEDICAL) MASTER'S DEGREE (WITH THESIS)  
PROGRAMME**

PREPARATION PHASE PROGRAM I. SEMESTER							
C. CODE	COURSE NAME	C/E	Theo.	Prac.	Tot.	Credit	
	<b>Compulsory Courses</b>					National	ECTS
TTGH 101	Expertise Branch Course	C	8	0	8	0	9
TTGH 102	Thesis Preparation Study	C	0	1	1	0	1
TTGH 103	Medical Genetics I	C	4	0	4	4	4
TTGH 104	Medical Biology I	C	2	2	4	3	4
TTGH 105	Medical Microbiology I	C	2	2	4	3	4
TTGH 106	Biochemistry I	C	4	0	4	4	4
TTGH 107	Medical English I	C	4	0	4	4	4
	<b>Total</b>						<b>30</b>

PREPARATION PHASE PROGRAM II. SEMESTER							
C. CODE	COURSE NAME	C/E	Theo.	Prac.	Tot.	Credit	
	<b>Compulsory Courses</b>					National	ECTS
TTGH 108	Expertise Branch Course	C	8	0	8	0	9
TTGH 109	Thesis Preparation Study	C	0	1	1	0	1
TTGH 110	Medical Genetics II	C	4	0	4	4	4
TTGH 111	Medical Biology II	C	2	2	4	3	4
TTGH 112	Medical Microbiology II	C	2	2	4	3	4
TTGH 113	Biochemistry II	C	4	0	4	4	4
TTGH 114	Medical English II	C	4	0	4	4	4
	<b>Total</b>						<b>30</b>

I. SEMESTER							
C. CODE	COURSE NAME	C/E	Theo.	Prac.	Tot.	Credit	
	<b>Compulsory Courses</b>					National	ECTS
TTGY 101	Expertise Branch Course	C	8	0	8	0	9
TTGY 102	Thesis Preparation Study	C	0	1	1	0	1
<b>Elective Courses</b> (Total 20 ECTS credit courses will be taken in the Elective Courses Pool)							
	Elective Course I	E					4
	Elective Course II	E					4
	Elective Course III	E					4
	Elective Course IV	E					4
	Elective Course V	E					4
	<b>Total</b>						<b>30</b>

II. SEMESTER							
C. CODE	COURSE NAME	C/E	Theo.	Prac.	Tot.	Credit	
	<b>Compulsory Courses</b>					National	ECTS
TTGY 103	Expertise Branch Course	C	8	0	8	0	9
TTGY 104	Thesis Preparation Study	C	0	1	1	0	1
TTGY 105	Seminar	C	0	2	2	0	4
<b>Elective Courses (Total 16 ECTS credit courses will be taken in the Elective Courses Pool)</b>							
	Elective Course I	E					4
	Elective Course II	E					4
	Elective Course III	E					4
	Elective Course IV	E					4
	<b>Total</b>						<b>30</b>

III. SEMESTER							
C. CODE	COURSE NAME	C/E	Theo.	Prac.	Tot.	Credit	
	<b>Compulsory Courses</b>					National	ECTS
TTGY 106	Thesis Study	C	0	1	1	0	21
TTGY 107	Expertise Branch Course	C	8	0	8	0	9
	<b>TOTAL</b>		<b>8</b>	<b>1</b>	<b>9</b>	<b>0</b>	<b>30</b>

IV. SEMESTER							
C. CODE	COURSE NAME	C/E	Theo.	Prac.	Tot.	Credit	
	<b>Compulsory Courses</b>					National	ECTS
TTGY 108	Thesis Study	C	0	1	1	0	21
TTGY 109	Expertise Branch Course	C	8	0	8	0	9
	<b>TOTAL</b>		<b>8</b>	<b>1</b>	<b>9</b>	<b>0</b>	<b>30</b>

V. SEMESTER							
C. CODE	COURSE NAME	C/E	Theo.	Prac.	Tot.	Credit	
	<b>Compulsory Courses</b>					National	ECTS
TTGY 110	Thesis Study	C	0	1	1	0	21
TTGY 111	Expertise Branch Course	C	8	0	8	0	9
	<b>TOTAL</b>		<b>8</b>	<b>1</b>	<b>9</b>	<b>0</b>	<b>30</b>

VI. SEMESTER							
C. CODE	COURSE NAME	C/E	Theo.	Prac.	Tot.	Credit	
	<b>Compulsory Courses</b>					National	ECTS
TTGY 112	Thesis Study	C	0	1	1	0	21
TTGY 113	Expertise Branch Course	C	8	0	8	0	9
	<b>TOTAL</b>		<b>8</b>	<b>1</b>	<b>9</b>	<b>0</b>	<b>30</b>

ELECTIVE COURSES POOL							
C. CODE	COURSE NAME	C/E	Theo.	Prac.	Tot.	Credit	
	<b>Elective Courses</b>					<b>National</b>	<b>ECTS</b>
TTGY 114	Investigation Methods	E	3	0	3	3	4
TTGY 115	Diagnostic Methods and Applications used in Cytogenetics	E	2	2	4	3	4
TTGY 116	Principles of Tissue Culture	E	2	2	4	3	4
TTGY 117	Genes and Molecular Structure	E	4	0	4	4	4
TTGY 118	Cell Biology	E	4	0	4	4	4
TTGY 119	Biostatistics	E	4	0	4	4	4
TTGY 120	Recombinant DNA Technology and Its Application Areas	E	4	0	4	4	4
TTGY 121	Pharmacogenetics	E	4	0	4	4	4
TTGY 122	Introduction to Cancer Genetics	E	2	2	4	3	4
TTGY 123	Molecular Genetics Laboratory Methods and Applications	E	4	0	4	4	4
TTGY 124	Current Issues in Medical Genetics	E	4	0	4	4	4