

# HUMAN GENETICS

1	Course Title:	HUMAN GENETICS
2	Course Code:	MBG0505
3	Type of Course:	Optional
4	Level of Course:	First Cycle
5	Year of Study:	2
6	Semester:	3
7	ECTS Credits Allocated:	4.00
8	Theoretical (hour/week):	3.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Dr. Öğr. Üyesi ELİF UZ
15	Course Lecturers:	yok
16	Contact information of the Course Coordinator:	Dr. Öğr. Üyesi Elif UZ YILDIRIM Bursa Uludağ Üniversitesi Fen-Edebiyat Fak., Moleküler Biyoloji ve Genetik Bölümü elifuz@uludag.edu.tr 902242941776
17	Website:	
18	Objective of the Course:	The course will provide an overview of human genetics and medical genetics subjects to biology students.
19	Contribution of the Course to Professional Development:	To contribute a general overview in Human Genetics.
20	Learning Outcomes:	
	1	To have information regarding the classification of living things and their structural and molecular properties
	2	To learn the methods used in biological research to have the skills to analyze and solve the problems
	3	To be able to see the continuity of the relationship between the environment and living things as a whole to comprehend the position and responsibility of human beings nature
	4	To have a general knowledge about human genetics.
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21	Course Content:	
	<b>Course Content:</b>	
Week	Theoretical	Practice
1	Organ systems	

<b>2</b>	Tissues	
<b>3</b>	Structure of the cell	
<b>4</b>	Cell cycle and division	
<b>5</b>	From cells to genes	
<b>6</b>	History of Inheritance	
<b>7</b>	DNA and replication	
<b>8</b>	RNA and transcription	
<b>9</b>	Protein and translation	
<b>10</b>	Chromosomal disorders	
<b>11</b>	Mendelian inheritance: Autosomal Inheritance	
<b>12</b>	Mendelian inheritance: X-linked inheritance	
<b>13</b>	Atypic Mendelian inheritance	
<b>14</b>	Complex inheritance	

22	Textbooks, References and/or Other Materials:	Tıbbi Genetik, Nurettin Başaran Thomson&Thomson-Medical Genetics
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23	Assesment
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TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Midterm Exam	1	40.00
Quiz	0	0.00

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical Contribution of Term (Year) Learning Activities to	14	3.00	42.00
Practicals/Labs	0	0.00	0.00
Self study and preparation for exam to Success Grade	10	5.00	70.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Measurement and Evaluation Techniques Used in the	Answer the midterm and final exam questions	0.00	0.00
Field Studies	0	0.00	0.00

24. ECTS / WORK LOAD TABLE			
Midterm exams	1	1.00	1.00
Others	0	0.00	0.00
Final Exams	1	1.00	1.00
Total Work Load			115.00
Total work load/ 30 hr			3.80
ECTS Credit of the Course			4.00

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	1	1	1	1	5	1	4	5	1	1	1	1	0	0	0	0
ÖK2	1	1	1	1	5	1	5	4	1	1	1	1	0	0	0	0
ÖK3	1	1	1	1	4	1	5	5	1	1	1	1	0	0	0	0
ÖK4	1	1	1	1	5	1	4	5	1	1	1	1	0	0	0	0
LO: Learning Objectives    PQ: Program Qualifications																

<b>Contribution Level:</b>	<b>1 very low</b>	<b>2 low</b>	<b>3 Medium</b>	<b>4 High</b>	<b>5 Very High</b>
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