

GENETICS IN SPORTS

1	Course Title:	GENETICS IN SPORTS
2	Course Code:	BED6114
3	Type of Course:	Optional
4	Level of Course:	Third Cycle
5	Year of Study:	1
6	Semester:	2
7	ECTS Credits Allocated:	4.00
8	Theoretical (hour/week):	2.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	Optional
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. Erkut TUTKUN
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	Doç.Dr. Erkut TUTKUN erkuttutkun@uludag.edu.tr
17	Website:	
18	Objective of the Course:	The course is designed to show students basic genetics concepts and teach the basics of sport and genetics.
19	Contribution of the Course to Professional Development:	Students will acquire basic knowledge of genetic terminology and concepts and will be able to use them to understand genetic mechanisms by developing their sportive problem solving skills.
20	Learning Outcomes:	
	1	Students will apply the principles formulated by Mendel and the extensions of Mendelian inheritance, such as multiple alleles, killer alleles, gene interactions, and sexual transmission.
	2	Öğrenciler genetik terminoloji ve kavramlar konusunda temel bilgileri edinecekler ve problem çözme becerilerini geliştirerek bunları genetik mekanizmaları anlamak için kullanabileceklerdir
	3	Students will be able to analyze genetic data using statistical methods.
	4	Students can explain the normal chromosome number, its structure, and the behavior of chromosomes in the cell, as well as the changes in chromosome number and structure, its causes and effects.
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21	Course Content:	
	Course Content:	
Week	Theoretical	Practice

LO: Learning Objectives PQ: Program Qualifications					
Contribution Level:	1 very low	2 low	3 Medium	4 High	5 Very High