GENETIC FACTORS IN DIAGNOSIS AND PROGNOSIS OF BREAST CANCERS

1	Course Title:	GENETIC FACTORS IN DIAGNOSIS AND PROGNOSIS OF BREAST CANCERS	
2	Course Code:	TTB 6012	
3	Type of Course:	Optional	
4	Level of Course:	Third Cycle	
5	Year of Study:	1	
6	Semester:	2	
7	ECTS Credits Allocated:	5.00	
8	Theoretical (hour/week):	2.00	
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:	Prof. Dr. GÜLŞAH ÇEÇENER	
15	Course Lecturers:	Prof. Dr. Şehsuvar GÖKGÖZ Prof. Dr. İsmet TAŞDELEN Prof. Dr. Ünal EGELİ Prof. Dr. Berrin TUNCA	
16	Contact information of the Course Coordinator:	gcecener @uludag.edu.tr 0224 295 4162 ULUDAĞ ÜNİVERSİTESİ TIP FAKÜLTESİ TIBBİ BİYOLOJİ ANABİLİM DALI	
17	Website:		
18	Objective of the Course:	Learning the basic consepts of development, diagnosis, prognosis and genetic factors of breast cancer and establishing a connection with other courses, enable and facilitate the clinical approach	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	Understanding the basic consepts ofbening and malign breast cancer formation and biology
		2	Understanding the molecular approaches of classification, prognosis and diagnosis and importance of uses of genetic analysis
		3	Understanding the molecular alterations related to breast cancer formation and gain ability to link related genetic analysis
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21	Course Content:		
	Course Content:		

Week	Theoretical	Practice
1	Diagnosis of bening and malign Breast diseases	
2	Benign Breast diseases	
3	Malign Breast diseases	
4	Treatment approaches to breast cancer patients-1	
5	Treatment approaches to breast cancer patients -2	
6	Diagnositc and prognostic markers of bening and malign breast cancer from tumor tissue and peripheral blood	
7	Genetic predisposition to breast cancer	
8	Gebetic consultens and pedigree in breast cancer patients	
9	Analysis can be used in diagnosis of hereditary breast cancer-1	
10	Analysis can be used in diagnosis of hereditary breast cancer -2	
11	Risk analysis of breast cancer patients and their relatives	
12	Therapy approaches of mutated breast cancer patients and their relatives	
13	The importance of miRNA in development of breast cancer	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	1.00	14.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	1.00	14.00
Homeworks	3	6.00	18.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	0	0.00	0.00
Others	2	6.00	12.00
Final Exams	1	2.00	2.00
Total Work Load			60.00
Total work load/ 30 hr	0.00		2.00
ECTS Credit of the Course			5.00

Materials:	
Freedman Essentials of Breast Cancer Michael S Sabel Management of breast diseases Ismail Jatoi Disease of the Breast İsmet Tasdelen Molecular Biology in Cancer Medicine, R. Kurzrok, M. Talpaz	

22	Assesment **TERM LEARNING ACTIVITIES**	**NUMBER**	**WEIGHT**
Quiz	0	0.00	
Final Exam	1	100.00	
Total	4	100.00	
Contribution of Term (Year) Learning Activities to Success Grade		0.00	
Contribution of Final Exam to Success Grade		100.00	
Total		100.00	
Measurement and Evaluation Techniques Used in the Course			

24	**ECTS / WORK LOAD TABLE**

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	5	5	3	0	3	5	3	3	3	0	0	0	0	0	0	0
ÖK2	5	5	5	5	3	5	5	5	3	5	3	3	0	0	0	0
ÖK3	5	5	5	5	3	5	5	5	3	5	5	5	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	**1 very low**		**2 low**			**3 Medium**				**4 High**			**5 Very High**			