	PH	ARMA	COGENETIC						
1	Course Title:	PHARM	ACOGENETIC						
2	Course Code:	TTIP600	06						
3	Type of Course:	Optional							
4	Level of Course:	Third Cy	cle						
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:								
12	Language:	Turkish							
13	Mode of Delivery:	Face to	face						
14	Course Coordinator:	Prof. Dr.	MUSTAFA SERTAÇ YILMAZ						
15	Course Lecturers:								
16	Contact information of the Course Coordinator:	+90 224 Uludağ l	icyilmaz@uludag.edu.tr 224 295 3566 ağ Üniversitesi Tıp Fakültesi Tıbbi Farmakoloji Anabilim Dalı, ikle, Bursa 16059						
17	Website:								
18	Objective of the Course:	This course focuses on principles of general pharmacology and pharmacogenetics which may affect the drug metabolism and action.							
19	Contribution of the Course to Professional Development:	Administration of the proper drug to the suitable patient via personal drug metabolism that acquired from pharmacogenetic info will decrease side effects and improve health economy.							
20	Learning Outcomes:								
		1	To be able to define general information and concepts about pharmacogenetics and to describe the genetic changes in the enzymes responsible for the metabolism of drugs;						
		2	To understand the mechanisms that change the effects and bioavailability of drugs at the molecular level;						
		3	To be able to evaluate and differentiate genetic characteristics that change the effects of drugs used for diagnosis and treatment;						
		4	To be able to define the molecules that mediate the side effects of drugs and to establish their relationship with pharmacogenetics, if any.						
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21	Course Content:								
		Co	ourse Content:						

Week	Theoretical								Practice								
1	Introduc Basic C	nacol	ogy De	finitio	n and												
2	Definition Pharma					once	ots										
3	Individual Treatments and Pharmacogenetics																
4	Change Genetic						ue to										
5	Change Genetic						ue to										
6	Change Genetic						ue to										
7	Change Genetic						ue to										
8	Drug Ph	narmac	okinet	ics wi	ith Cas	е Еха	mples										
9	Pharma Carryin	cogene g Drugs	etics o s - Eflu	f Trar ux Tra	nsporto Insport	r Mole ers	ecules										
10	Pharma Carrying						ecules										
11	Pharmacogenetics of Transportor Molecules Carrying Drugs with Case Examples																
12	Changes in Drug Pharmacodynamics Due to Genetic Factors - G6PDH Deficiency																
13	Change Genetic																
	Activites								Number				Duration (hour) Total Work Load (hour				
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	ntribution of Final Exam to Success Grade																
Total								10	00.00								
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25			CON	TRIE	BUTIC	N O			NING		COME	S TO	PRO	GRAM	ME		
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ÖK2	4	2	3	2	3	4	1	3	2	3	4	1	0	0	0	0
ÖK3	5	3	2	3	2	2	2	2	1	4	5	2	0	0	0	0
ÖK4	5	2	3	2	5	2	3	1	5	2	3	2	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	ution			2 low			3 Medium			4 High			5 Very High			