	SPECIAL T	OPICS	S IN BIOCHEMISTRY							
1	Course Title:	SPECIA	TOPICS IN BIOCHEMISTRY							
2	Course Code:	TIP2037								
3	Type of Course:	Optional								
4	Level of Course:	First Cyc	ele							
5	Year of Study:	2								
6	Semester:	3								
7	ECTS Credits Allocated:	3.00								
8	Theoretical (hour/week):	1.00								
9	Practice (hour/week):	0.00								
10	Laboratory (hour/week):	0								
11	Prerequisites:	NONE								
12	Language:	Turkish								
13	Mode of Delivery:	Face to f	ace							
14	Course Coordinator:	Prof. Dr.	MELEHAT DİRİCAN							
15	Course Lecturers:	Prof. Dr.	Melahat DİRİCAN							
16	Contact information of the Course Coordinator:	2953912 Uludağ Ü	n@uludag.edu.tr 2 Üniversitesi, Tıp Fakültesi ya Anabilim Dalı 16059, Bursa							
17	Website:	http://tip.uludag.edu.tr/ders/tip-2037.php								
18	Objective of the Course:	Speciality Areas of Biochemistry focus on the pregnancy and fetal development, laboratory investigations of pediatric patients, geriatric clinical chemistry, body fluid analysis (cerebrospinal fluid, pleural fluid, peritoneal fluid, synovial fluid, pericardial fluid, sweat) and specimen collection.								
19	Contribution of the Course to Professional Development:									
20	Learning Outcomes:									
		1	To knowing normal pregnancy and fetal development and the presence of pathological conditions							
		2	To knowing significant biochemical differences between normal adults and pediatric and geriatric period							
		3	To describe normal findings of CSF, pleural fluid and peritonela fluid							
		4	To explain exudate, transudate, abnormal findings of CSF and other biological fluids							
		5	To describe principles of the specimen collection							
		6								
		7								
		8								
		9								
		10								
21	Course Content:									
		Со	purse Content:							
	Theoretical		Practice							
1	Specimen collection and processing									

3	Preg	Pregnancy and fetal development																
4	Place	enta	ve pla	acenta	l horn	nones												
5	Feta	l bio	chemi	cal ch	anges	3												
6	Pathological conditions associated with pregnancy																	
7	Prenatal testing																	
8	Pediatric biochemistry																	
9	Postnatal testing																	
10	Physiologic changes in the elderly																	
11	Geriatric clinical chemistry																	
12	CSF and laboratory investigation																	
13		Investigation of pleural and peritoneal fluid																
14						synovi												
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22 Textbooks, References and/or Other Activites								Numb		1113ti y, 1		plan and Pesce; M Duration (hour)						
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	QUALIFICATIONS																	
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ÖK2			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ÖK3	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Factors that alter results of a laboratory test

ÖK4	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK5 0 0 0 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0													0			
Contrib 1 very low ution Level:				2	2 low		3 Medium			4 High			5 Very High			