	TOXIC SUBTANCES		TS BIOLOGICAL EFFECTS ON						
		ORG	ANISMS						
1	Course Title:	TOXIC SUBTANCES AND ITS BIOLOGICAL EFFECTS ON ORGANISMS							
2	Course Code:	BYL0535							
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):	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.	. SERAP ÇELİKLER KASIMOĞULLARI						
15	Course Lecturers:								
16	Contact information of the Course Coordinator:	Prof. Dr. Serap Çelikler Kasımoğulları							
17	Website:								
18	Objective of the Course:	The aim of the course is to investigate the basic aspects of toxicology and details in toxocologic processes. Providing insight on toxicology subjects to improve perspective of students is a core focus.							
19	Contribution of the Course to Professional Development:	It contributes to a deeper understanding of the biological consequences of individuals' exposure to foreign substances.							
20	Learning Outcomes:								
		1	The student gains basic knowledge on toxicology.						
		2	Has competence in understanding and examining the studies in toxicology field.						
		3	Makes deductions on potential interactions between chemical substances and organism						
		4	Can utilize presentation techniques in sharing scientific research and publications.						
		5							
		6							
		7							
		8							
		9							
	0	10							
21	Course Content:	Course Content:							
Mode	Theoretical	Co	ourse Content: Practice						
vveek 1	Toxicology definition, history and sul	b-	Flacuce						
2	disciplines  Classification and characteristics of substances	toxic							

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4	Dose-re	spons	e relat	ionshi	р												
5		LD50 value, its characteristics and other definitions															
6	Adminis	dministration ways of toxic substances															
7		bsorbtion and distributions of toxic ubstances															
8		etabolism and, Phase I reactions of toxic ubstances															
9	substar	letabolism and, Phase II reactions of toxic ubstances															
10	Excretion	xcretion of toxic substances															
11	·	pecial toxic effects of toxic substances						$\perp$									
12	effects	Mutagenic, carcinogenic and teratogenic  ffects of toxic substances															
13		enetic toxicity and risk assessment						$\perp$									
14	Toxicity	oxicity tests															
22		Textbooks, References and/or Other Materials:							Casarett and Doull's Toxicology: The Basic Science of Poisons								
23	Assesm	nent															
TERM L	EARNIN	G ACTI	VITIES	;			NUMBE	: w	EIGHT								
Midtern	n Exam					,	1	4(	0.00								
Activites							Number Duration (hour) T					Total Work Load (hour)					
Fined re	Fineliexem 1						60	60140			2.00	2.00			28.00		
	racticals/Labs								0			0.00	0.00			0.00	
Selection	tribution of Jerm (Year) Learning Activities to							40	4000			0.00			0.00		
Homew	meworks								0			0.00			0.00		
Project	ects							Ó	1			30.00				30.00	
	ield Studies								0			0.00			0.00		
MRREH	Measमre நகுந்தாd Evaluation Techniques Used in the							e O	lassianment				ice que				
Others	ners								0			0.00			0.00		
	4 F 恒0TS / WORK LOAD TABLE							1			30.00			30.00			
Total V	/ork Loa	d													118.00		
	tal work load/ 30 hr												3.93				
ECTS (	Credit of	the Co	urse												4.00		
25	25 CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																
	PQ	1 PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ	B PQ9	PQ1 0	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16	
ÖK1	0	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0	
ÖK2	0	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0	
ÖK3	0	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0	
ÖK4	0	0	0	0	2	0	2	0	0	0	0	5	0	0	0	0	
		•	LO: L	earr	ning C	bje	ctives	<u> </u>	PQ: P	rogra	m Qu	alifica	tions	<u> </u>	•	•	
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Toxicity concept and factors affecting toxicity

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