CH	IROMATOGRAPHIC M	ETHC	DDS IN ANALYTICAL CHEMISTRY								
1	Course Title:	CHROM	ATOGRAPHIC METHODS IN ANALYTICAL CHEMISTRY								
2	Course Code:	KIM5006									
3	Type of Course:	Optional									
4	Level of Course:	Second (Cycle								
5	Year of Study:	1									
6	Semester:	2									
7	ECTS Credits Allocated:	7.00									
8	Theoretical (hour/week):	3.00									
9	Practice (hour/week):	0.00									
10	Laboratory (hour/week):	0									
11	Prerequisites:	-									
12	Language:	Turkish									
13	Mode of Delivery:	Face to f	ace								
14	Course Coordinator:	Prof. Dr.	BELGIN İZGİ								
15	Course Lecturers: Prof. Dr. Şeref GÜÇER,Prof. Dr. Cevdet DEMİR,Doç. Dr. M. Halu TÜRKDEMİR										
16	Contact information of the Course Coordinator: belgin@uludag.edu.tr 0 224 29 41 728										
17	Website:										
18	Objective of the Course:	subjects So that s pressure (GC) me	the aim of the course is to make the students gain the basic bjects of chromatographic separation methods and applications. In that students may encounter in graduate studies at the highessure liquid chromatography (HPLC) and gas chromatography (C) methods in the analysis techniques is expected to be ccessful.								
19	Contribution of the Course to Professional Development:										
20	Learning Outcomes:										
		1	Understand the purpose of chromatographic methods.								
		2	Knows what to use chromatographic methods suitable for analytes.								
		3	Can apply the chromatographic methods in the laboratory.								
		4	Selects appropriate chromatographic method for their graduate studies and evaluate the results.								
		5	Can search the literature about chromatographic methods and transfer this information into a presentation.								
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		7									
		8									
		9									
	On the state of	10									
21	Course Content:		una Cantanti								
\\/ \ = = 1:	Theoretical	Co	ourse Content:								
	Theoretical	arations	Practice								
1	Introduction to chromatographic sepa										

2	The	basi	c princ	iples	of the	chrom	atogra	aphy											
3	Clas	sifica	ation o	f Chro	omato	graphi	c Meth	nods											
4	Prin	ciples	s of G	as Ch	romat	ograph	ny												
5			omato; detect		y Insti	rument	s (colu	ımn-											
6	App	licatio	on Are	as of	Gas (Chroma	atogra	phy											
7	Sam	npling	Syste	ems o	n Gas	Chror	natogı	raphy											
8			w of li graph		ire ab	out gas	5												
9	Midt	erm	Exam	+ gas	chro	matogr	aphy												
10	Prin	ciples	s of Li	quid C	hrom	atogra	phy												
11			romat detect		hy (co	ן-nmulo	oump-												
12	App	licatio	on Are	as of	Liquic	d Chror	natog	raphy											
13			Prepar ograph		in Liq	uid													
14			w of li graph		ire ab	out liqu	uid												
22	Textbooks, References and/or Other Materials:								Sn 2)I Me	1)Chromatographic Methods, A. Braithwaite and J.F. Smith. 2)Principles and Practice of Modern Chromatographic Methods, Kevin Robards, P. E. Jackson, Paul R. Haddad. 3)Web sources (web of science)									
Activit	tes									Number Duration (hour) T						Total Work Load (hour)			
Theore Midtern	tical						IN A			14 .00			3.00			42.00			
Practic										. <u>00 </u>			0.00			0.00			
Self stu	idy a	nd pr	epera	tion			1		25	1 <u>4</u> .00			6.00			84.00			
Homew										1			40.00			40.00			
Project	.S						3		10	0.00			0.00		0.00				
Field S	tudie	s)			0.00		0.00				
Slictees	13 (3)	906								1			30.00		30.00				
Others									()			0.00		0.00				
Final E									10	0.00			40.00			40.00			
IVICACAI	Total Work Load														236.00				
ট্ৰান্ধ্swork load/ 30 hr							Щ	7.87											
ECTS (Credi	it of tl	ne Co	urse												7.00			
25				CON	TRIE	UTIO	N OF				OUTO	OME: NS	S TO I	PROC	SRAM	ME			
		PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16		
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25	QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	0	0	0	5	4	0	0	0	0	0	0	0	0	0	0	0
ÖK4	5	0	4	5	4	0	0	0	0	0	0	0	0	0	0	0

ÖK5	0	0	0	5	0	0	4	4	4	0	0	0	0	0	0	0
Contrib ution Level:	1 '	very		1	ning C	bjec	1	s P Medi			m Qu 4 Higl	alifica n	itions		y High	