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MODUL	FOOD 2S.1	COURSE TITLE	Chromatography and hyphena	ted techniques in food analysis	ECTS 4
FACULTY COORDINATOR prof.dr hab. Z.Krejpcio			DEPARTMENT	Food Science and Nutrition	
TEACHER			prof.dr hab. H. Jeleń (lect., labs), dr M. Majcher (labs)		
VOLUME (H)			20	PERSONAL WORK (H)	75
LECTURE (H)		LAB (H)	PLACEMENT (H)	PROJECT (H)	OTHER MODALITIES (H)
15		5		20	
EVALUATION			TEACHING METHODS		
EVALUATION MODALITES			Multimedial lectures adressed to all participants,		
ORAL INDIVIDUAL REPORT			Participation in demonstrations and labs		
WRITEN INDYVIDUAL REPORT 10%			Participation in discussions		
FINAL ORAL EXAM					
FINAL WRITTEN EXAM 90%					
	COMMENTS O	F EVALUATION			
	SEMESTED (MIN	NITED/CLIMMED)		LANGUAGE	
SEMESTER (WINTER/SUMMER)					
OBJECTIVES	3			ENGLISH	
	source is to prov	vida a student basis knowledg	e on main chromatographical/hy	phonatad, mathods used in food	analysis
			ation in gas chromatography, sepa	iration in liquid cirromatography	anu
		paration techniqes used in gas			nation of it
	student snould p	Topose a Thethod of analysis	of a particular compounds in part	iculai iliatrix aliu a rational expla	nation of it
CONTENTS	oon, of chromat	ography 2 CC vs LDI C. 2 Oth	ner chromatographical techniques	s in food analysis 4. Hyphoseted	tachniques
				,	teciniques
·	•		in chromatography; 7. Data proce		
			loanisoles using GC(ECD), GCxGC-		
2. HPLC in pra	ctice (retention n	nechanisms, aminoacidsby HP	LC); 3. Sample preparation lab (SF	PME method development, SPE for	actionation)

PRE-REQUISES	fundamentals of chemistry
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