MODUL D 2W.2/FOOD	COURSE TITLE	Food ch	emistry	ECTS	5
FACULTY COORDINATOR	prof.dr hab. Zbigniew Krejpci	D DEPARTMENT	Food Science and Nutrition		
TEACHER		prof. dr hab Erwin Wąsowicz			
VOLUME (H)		30	PERSONAL WORK (H)	80	
LECTURE (H) LAB (H)		PLACEMENT (H)	PROJECT (H)	OTHER MODALITIES (H)	
22	8				
EVALUATION		TEACHING METHODS			
EVALUATION MODALITES		Multimedial lecture adressed to all participants			
ORAL INDIVIDUAL REPORT		Participation in demonstrations and labs			
WRITEN INDYVIDUAL REPORT 30%		Participation in discussions			
FINAL ORAL EXAM 70%					
FINAL WRITTEN EXAM					
COMMENTS OF EVALUATION					
SEMESTER (WINTER/SUMMER)		LANGUAGE			
WS		ENGLISH			
OBJECTIVES					
The aim of course is to get info	ormation about basic chemistry	of food constiuents: water, lipid	s, carbohydrates, proteins and f	flavour compoun	ds
Learn about reactions which o	ccur during the production, pro	ocessing, storage and handling of	foods		
Student should get also basis l	ab skills about selected metho	ds used in analyzing important for	od constituents		
CONTENTS					
Basic concepts, definition and history food chemistry					
Structure of classification, physical, chemical and sensory properties of food contstituents					
Reaction of food constituents in different condition, temperature, pH, water content					
Chemical and physical modification of food constituent					
Aroma substances, sensory relevance, individual aroma compounds					
	accura liquid chromatagraphy	mass spectrometry in analysis of	some food constituents		
Gas chromatography, high pre	essure, ilquid chromatography,		some rood constituents		
Gas chromatography, high pre	essure, liquid chromatography,				