

MODUL	FOOD 1S.3	COURSE TITLE	Immunochemical methods in research and food analysis	ECTS	3
FACULTY COORDINATOR	prof.dr hab.. Z.Krejpcio		DEPARTMENT	Food Biochemistry and Analysis	
TEACHER			dr hab.. Dorota Piasecka-Kwiatkowska		
VOLUME (H)	30		PERSONAL WORK (H)	45	
LECTURE (H)	LAB (H)	PLACEMENT (H)	PROJECT (H)	OTHER MODALITIES (H)	
15	15				
EVALUATION			TEACHING METHODS		
EVALUATION MODALITIES			Multimedial lectures adressed to all participants, Participation in demonstrations and labs Participation in discussions		
ORAL INDIVIDUAL REPORT					
WRITEN INDYVIDUAL REPORT		20%			
FINAL ORAL EXAM					
FINAL WRITTEN EXAM		80%			
COMMENTS OF EVALUATION					
SEMESTER (WINTER/SUMMER)			LANGUAGE		
W/S			ENGLISH		
<b>OBJECTIVES</b>					
Introduction to principles of immunochemistry					
Familiarize with immunochemical methods with special accent to methods useful in research and food analysis					
<b>CONTENTS</b>					
Basic concepts of immunochemistry					
Immunochemical methods using primary interaction between antibody and antigen					
Immunochemical methods using secondary interaction between antibody and antigen					
Different formats of ELISA tests					
Overview methods usefull in food analysis					
Overview of commercially available kits for food analysis					
PRE-REQUISES		basis of biochemistry			