

CODE : BIOAGRI0 4		COURSE TITLE: MOLECULAR GENETTICS		ECTS: 5	
COORDINATOR: ZBIGNIEW BRODA			DEPARTMENT: GENETICS AND PLANT BREEDING		
Course Category AGRICULTURE					
VOLUME (H) 45			PERSONAL WORK (H)		
LECTURE: (H) 15	PRACTICALS /LAB (H) 30	PLACEMENT (H)	PROJECT(H)	OTHER MODALITIES: (H)	
EVALUATION:		OTHER MODALITIES:		LECTURER(S)	
EVALUATION MODALITIES					
ORAL INDIVIDUAL REPORT					
WRITTEN INDIVIDUAL REPORT					
FINAL ORAL EXAM	x				
FINAL WRITTEN EXAM					
COMMENTS OF EVALUATION:			TEACHING METHODS:		
SEMESTER: WINTER			LANGUAGE: ENGLISH		
PERIOD: 15 WEEKS			YEAR OF STUDY: FIFTH		
OBJECTIVES					
<ul style="list-style-type: none"> • DNA – structure and features • Genome physical organization • Structure and activity of prokaryotic and eucarotic genes 					
CONTENTS					
<ul style="list-style-type: none"> • Heredity on the molecular level • Principle regulations of DNA replication • Genetics' code and protein biosynthesis • Recombinationing and cloning of DNA • Gene induction and repression • Mutagenesis, repression and recombination of DNA • Gene differentiation and development • Molecular base of resistant processes 					
GROUP SIZE: 30			PRE-REQUISES:		