

CODE : BIOAGRI 12		COURSE TITLE: CYTOGENETICS AND CHROMOSOME ENGINEERING		ECTS: 8	
COORDINATOR: ANDRZEJ WOJCIECHOWSKI			DEPARTMENT: GENETICS AND PLANT BREEDING		
Course Category BIOTECHNOLOGY					
VOLUME (H) 75			PERSONAL WORK (H)		
LECTURE: (H) 30	PRACTICALS/ LAB(H) 45	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: SUMMER			LANGUAGE: ENGLISH		
PERIOD: 15 WEEKS			YEAR OF STUDY: THIRD		
OBJECTIVES					
<ul style="list-style-type: none"> ▪ Cell divisions – mitosis and meiosis ▪ Plant caryotypes ▪ Cytogenetical methods and techniques 					
CONTENTS					
<ul style="list-style-type: none"> ▪ Mitosis and meiosis – lecture and practical making slides and observation of these processes in chosen crop plants ▪ Chromosome structure ▪ Analyses of plant caryotypes ▪ Evolution of mitosis and caryotypes ▪ Different methods of chromosome bend staining ▪ Effect of different factors on mitotic and meiotic divisions ▪ Structural hybridity 					
GROUP SIZE: 15		PRE-REQUIRES:			