

CODE : <b>BIOAGRI 11</b>		COURSE TITLE: <b>PLANT REPRODUCTION AND EMBRYOLOGY –PART 1</b>		ECTS: <b>8</b>	
COORDINATOR: <b>ANDRZEJ WOJCIECHOWSKI</b>			DEPARTMENT: <b>GENETICS AND PLANT BREEDING</b>		
Course Category <b>AGRICULTURE</b>					
VOLUME (H) <b>60</b>			PERSONAL WORK (H)		
LECTURE: (H) <b>30</b>	PRACTICALS /LAB (H) <b>30</b>	PLACEMENT: (H)	PROJECT(H)	OTHER MODALITIES: (H)	
EVALUATION:		OTHER MODALITIES:	LECTURER(S)		
EVALUATION MODALITIES					
ORAL INDIVIDUAL REPORT					
WRITTEN INDIVIDUAL REPORT					
FINAL ORAL EXAM	<b>x</b>				
FINAL WRITTEN EXAM					
COMMENTS OF EVALUATION:		TEACHING METHODS:			
SEMESTER: <b>WINTER</b>		LANGUAGE: <b>ENGLISH</b>			
PERIOD: <b>15 WEEKS</b>		YEAR OF STUDY: <b>THIRD</b>			
OBJECTIVES					
<ul style="list-style-type: none"> <li>▪ Cell divisions – mitosis and meiosis</li> <li>▪ Plant reproduction systems</li> <li>▪ Embryology</li> </ul>					
CONTENTS					
<ul style="list-style-type: none"> <li>▪ Mitosis and meiosis – lecture and practical making slides and observation of these processes in chosen crop plants</li> <li>▪ Chromosome structure and analyses of plant caryotypes</li> <li>▪ Evolution of mitosis and caryotypes</li> <li>▪ Different methods of chromosome bend staining</li> <li>▪ Effect of different factors on mitotic and meiotic divisions</li> <li>▪ Double fertilization and factors affecting pollination and fertilization in plants</li> <li>▪ Ovule, embryo sac and embryo development</li> </ul>					
GROUP SIZE: <b>15</b>		PRE-REQUIRES:			