SYLLABUS (MODULE-ERASMUS+)

Course/module (as specified in the approved curriculum for the field of study) Seed Production and Technology Name in Polish Produkcja i technologia nasion					ECTS 8	Catalogue number HORT 1.1	
Head	of course/module Roman Hołubowicz						
	s) providing the course/module (Institute rtment of Plant Pathology, Seed Scier						
Field of study Horticulture			Level Second, English	Profile Gener acade	al,	Semester winter	
			ES AND THE NUMBER s/lectures and self-study		OURS		
Type of studies: full-time Type of studies: extramural							
- lectures 45			- lectures				
- practical total		50	- classes				
- laboratory practical			-				
- project based practical		30	-				
- Other – tutored		15P	-				
- self-study		90	- Self-study				
Total number of hours: 20			Total number of hours:				
Stude	nt should learn basic information about s T	seed pro	F COURSE/MODULE oduction and technology NG METHODS c, classes, films				
LEARNING OUTCOMES					Reference to field outcomes	to area	
Knowledge	market and the most important countries producing sowing material. E4. He/she understands rules of the author's right and intelectual recources management.				O2A_W04 O2A_W05 O2A_W07 O2A_W10	W04 R2A_W01 W05 R2A_W03 W07 R2A_W04 W10 R2A_W05 R2A_W06 R2A_W08	
E5. Students himself/herself seeks out, searches, carryies out, dsigns, analyzes and evaluates teh property of the seed sector task. E6. He/she himself/herself evalautes economic circumstances concernig seed production. E7. He/she knows elements of the seed market, can analyse them, in terms of a given country, as well as preparing the needed documents connected with seed trade.				O2A_U01 O2A_U03 O2A_U04 O2A_U06 O2A_U10	R2A_U01 R2A_U04 R2A_U05 R2A_U10		
E8. He//she can work in a team and is aware of thinking in economic and ethical ways when taking decisions concerning seeds. E9. He/she is aware of social, professional and ethical resposibility for seed production. E10. He is ready to work for group, organization and institution dealing with seeds.					O2A_K02 O2A_K03 O2A_K04 O2A_K05 O2A_K07	R2A_I R2A_I R2A_I R2A_I	<03 <04

Methods to verify learning outcomes

Exam, test, practical evaluation

Outcome Reference Numbers E1-10

TEACHING CONTENT

<u>Content of lectures:</u> Basic terms and definitions. History. Legal bases. Standards in seed sector. Organization in the world and in Poland. Seed sector in France. Drying and cleaning seeds. Control in seed sector. Importance of seed field certification. Agro-technique of garden and farm seed crops. Importance of natural factors in seed production. Principles of seed trade.

<u>Content of exercises:</u> Morphology of vegetable seed stalks. Drying and cleaning seeds. Seed threshing. Seed production of selected annual, biannual and greenhouse flowers. Use of seeds in industry.

Project: select a foreign garden seed company to co-operate with

Forms and criteria for passing of course/module

Written examination, tests, project

Percentage of final mark 100 % - exam

LIST OF LITERATURE

Basic literature

Copeland L.O., McDonald M.B.1995. Principles of Seed Science and Technology. Chapmann and Hall, Minneapolis. .

McDonald M.B., Copeland L.O.1997. Seed Production. Principles and Practices. Chapmann and Hall, Minneapolis

Hołubowicz R. 2016. Seed Production and Technology. Wyd. UP w Poznaniu.