

SYLLABUS (MODULE-ERASMUS+)

Course/module (as specified in the approved curriculum for the field of study) Post-harvest technology of vegetable crops		ECTS 3	Catalogue number HORT 2.4
Name in Polish Posprzętne traktowanie warzyw			
Head of course/module Dr Tomasz Spiżewski			
Unit(-s) providing the course/module (Institute/Department) Department of Vegetable Crops			
Field of study Horticulture	Level II – master studies	Profile Academic-general	Semester winter
TYPE OF CLASSES/LECTURES AND THE NUMBER OF HOURS (organised classes/lectures and self-study)			
Type of studies: full-time		Type of studies: extramural	
- lectures	20	- lectures	X
- practical total	10	- classes	X
- laboratory practical		-	
- project based practical		-	
- Other – tutored		-	
- self-study	45	- Self-study	
Total number of hours:		75	Total number of hours: X
OBJECTIVE OF COURSE/MODULE			
Get acquainted with physiological processes in stored vegetables, construction of storage facilities, and storage technology of basic vegetable species			
TEACHING METHODS			
Lecture supported by multimedia presentation, discussion, visual presentation of case studies by students			
LEARNING OUTCOMES		Reference to field outcomes	Reference to area outcomes
Knowledge	E1 – know the role and importance of vegetable storage	<i>not applicable</i>	<i>not applicable</i>
	E2 – become familiar with construction of storage facilities		
	E3 – be acquainted with physiological processes in stored horticultural products		
	E4 – know methods of extending storage life of vegetables		
	E5 – be familiar with storage technology of basic vegetable species		
Skills	E6 – be acquainted with principles of cold storage equipment	<i>not applicable</i>	<i>not applicable</i>
	E7 – know how to calculate storage space and storage containers requirements		
Social competences	E8 – have the ability to work in a group	<i>not applicable</i>	<i>not applicable</i>
	E9 – understand the need to expand horticultural knowledge		
Methods to verify learning outcomes		Outcome Reference Numbers	
Written test		E1- E9	
Visual presentation			

TEACHING CONTENT

Content of lectures: Role and importance of vegetable storage, processes in stored horticultural products, construction of storage facilities, storage technology of basic vegetable species, methods of extending storage life of vegetables

Content of classes: Principles of cold storage equipment, vegetable storage units, calculation of storage space and storage containers requirements

Project: -

Forms and criteria for passing of course/module	Percentage of final mark
Written exam	90%
Visual presentation	10%

LIST OF LITERATURE

Basic literature

Sharon Pastor Simson and Martha C. Straus 2010. Post-Harvest Technology of Horticultural Crops. Oxford Book Company, ISBN 9380179254

Rubatzky V.E. and Yamaguchi M. 1997. World vegetables. Principles, Production, and Nutritive Values. Second edition. Chapman & Hall. New York.