Course name: Ornamental plants in garden design

ECTS	4
Course status	*facultative*
Course final assessment /evaluation of outcomes	*written test and presentations*
Prerequisite	*basics of botany and plant physiology*

Main field of study:
Agriculture and Horticulture

Educational profile	*general academic*
Code of studies and education level	*bachelor/engineer (SI) or master of science (SM)*
Semester of studies	*summer semester*
Language of instruction	*English*

Course offered by:

Name of faculty offering the course	Faculty of Biotechnology and Horticulture
Name of department offering the course	Department of Ornamental Plants and Garden Art
Course coordinator	dr inż. Bożena Szewczyk-Taranek

Learning outcomes:

Symbol of outcome	Description of the learning outcome	Reference to main field of study outcomes	Area symbol*
KNOWLEDGE – student knows and understands:			
ORP_W1	the geographical origin of ornamental plants, and can apply appropriate care and environment parameters for successful growth and plant development	OGR1_W03	R
ORP_W2	defines the most important groups of ornamental plants; identify major ornamental plants species of the modern horticulture industry; describe basics of production technology of the most important floriculture crops	OGR1_W06	R
SKILLS – student is able to:			
ORP_U1	presents techniques of ornamental plants propagation	OGR1_U07	R
ORP_U2	recognize ornamental plants species, with their taxonomical identity	OGR1_U06	R
ORP_U3	interprets observations of plants phenology and its aesthetical and ecological application in garden design, uses online resources and reports results	OGR1_U08	R
SOCIAL COMPETENCIES – student is ready to:			
ORP_K1	be responsible for condition of environment and its resources to intensive agricultural production	OGR1_K03	R

Teaching contents

Lectures:	15 hours
Topics	1. The ornamental plants in the context of their origin. The variety of ornamental plants in the context of the periodicity of their development. 2. Production technology of the most important ornamental plant species (cut flowers, balcony plants, pot plants). 3. Basics of dendrology for garden design and landscaping. Roses in the garden art. 4. Basics of garden history and composition
Accomplished learning outcomes	*ORP_W1-W2*
Means of verification, rules, and criteria of assessment	*written test* (*contribution to the final grade from the course* 50%)

Classes:		15 hours
Topics	Workshops on dendrology – trees and shrubs recognition	
	Workshops on plant propagation generative and vegetative Professional tours to innovative plant growers and ornamental nurseries of Krakow. 4. Guided visit to the Historical Gardens of Royal Wawel Castle and Botanical Garden in Krakow	
Accomplished learning outcomes		*ORP_U1-U3, ORP_K1*
Means of verification, rules, and criteria of assessment		*presentations* (*contribution to the final grade from the course* 50%)

References:

Basic	*Dole J.M., Wilkins H. F. 2004. Floriculture: Principles and Species (2nd Edition), Pearson* *Brickell C. 2010. Encyclopedia of plants and flowers. DK, London* *Rice G. 2006. Encyclopedia of perennials, DK London* *RHS .2019. The Hillier manual trees and shrubs. Royal Horticulture Society*
Supplementary	*RHS 2013. Propagation techniques. Royal Horticulture Society* *Brooks J. 2007. Well-designed garden. DK, London*

Structure of learning outcomes

Area of academic study: agriculture and horticulture	4.0 ECTS**

Structure of student activity

Contact hours		34	hrs.	1.4	ECTS**
Including:	lectures	15	hrs.		
	classes and seminars	15	hrs.		
	consultations	2	hrs.		
	participation in research	…	hrs.		
	obligatory traineeships	…	hrs.		
	participation in examination	2	hrs.		
e-learning		…	hrs.	….	ECTS**
student own work		66	hrs.	2.6	ECTS**

*areas of academic study in the fields of P – biological sciences; R – agriculture and horticulture

** stated with an accuracy to 0.1 ECTS, where