

Title	Forcing in Soilless Systems		
Code	3ZT14NAK40M		
Prerequisites			
Description	<p>The aim of the course is to describe the technical, ecological and economic possibilities of cultivation in that conditions where the soil is unsuitable for horticultural production. Hydroponic, aggregate and aeroponic technologies and technology versions are presented and evaluated. The reasons and circumstances that cause hydroponic production are described, together with the advantages and disadvantages of isolated cultivation. Students can learn about media, chemicals and other materials used in soilless technologies, as well as technical solutions for hydroponic cultivation. The theoretical basics and practice of climate controlling and nutrient composition will be described. Propagation technologies are presented. A detailed description of the soilless cultivation technologies of the main vegetable and ornamental plants are described</p>		
Lecturer	Dr. Katalin Slezák, Balázs Gábor PhD, Geösel András PhD, Kappel Noémi PhD, Ördögh Máté PhD, Pap Zoltán PhD, Simon Gergely PhD Szabó Anna PhD		
Semester	1st ,fall	Contact hours/week	2+1
Level	MSc	ECTS	3
Teaching and Learning Methods:	preparing PPT presentation in the given topic		
Reading:	<p>Compulsory literature: Savvas, D., Passam, H. (szerk.) (2002): Hydroponic Production of Vegetables and Ornamentals. Athens. Embryo Publications. ISBN: 9608002125.</p>		
Assessment:	exam		