

Ref. no.: MATE-BC/1561-80/2024.

Catalogue no: 2-7.

Attachment: 0 pc

Course requirements

Autumn Semester, 2024/25. academic year

Title of course:	Up-to date cultivation methods of ornamental plants and variety value research					
<i>Hungarian name:</i>	<i>Korszerű dísznövénytermesztési módszerek és fajtaérték-kutatás</i>					
Code of course:	TETTD248N (former codes: MBCKERTDI_009; 3DD02NBK03P)					
Degree:	PhD (Doctoral School of Horticultural Science)					
Type of courses:	daytime					
Type of subject:	obligatory in the topic group					
Number of lessons:	3	hours/week lecture	0	hours/week practical class	0	days/semester field trip
Type of accountability	signature + exam					
Type of exam:	oral					
Credit points:	6					
Responsible department:	Department of Floriculture and Dendrology					
Responsible lecturer:	Assoc. Prof. Dr. Péter Honfi					
E-mail address of responsible lecturer:	honfi.peter@uni-mate.hu					
Office hours of responsible lecturer:	Tuesday, 14-18 h (by appointment) <i>To avoid unnecessary delays and collisions we ask you to confirm your consultation no later than two working days before the office hours via e-mail to responsible lecturer</i>					
Lecturer(s) of classes:	Dr. Péter Honfi associate professor Dr. István Dániel Mosonyi assistant professor Dr. Máté Ördögh assistant professor Dr. Veronika Szabó assistant professor					
Course admission prerequisite	None					
Course aims	The aim of the course is to acquaint the students with domestic and international trends in ornamental plant cultivation and modern cultivation possibilities, as well as the characteristics of new varieties emerging from breeding workshops, and the breeding objectives specific to each sub-area.					
Course curriculum, date of lessons, lecturers	Please note that the order of the below listed programmes may change for unforeseen reason. If it occurs, we will inform the students during the lesson or through Neptun message.					
Weekly lectures (topics, lecturers)	<ol style="list-style-type: none"> 1. Reconciliation of requirements system and topic. Introduction. (dr. Péter Honfi, dr. István Dániel Mosonyi) 2. Tendencies in domestic and international ornamental plant cultivation (dr. Máté Ördögh) 3. Varietal use and breeding trends in ornamental plant cultivation in greenhouses (dr. Máté Ördögh) 4. Varietal use and breeding trends of ornamental trees and shrubs (dr. Veronika Szabó) 5. Varietal use and breeding trends of perennial ornamental plants (dr. István Dániel Mosonyi) 6. Modern greenhouse technologies in leading cultures (dr. Máté Ördögh) 7. Technologies of special cut flower cultures I. (dr. Máté Ördögh) 8. Technologies of special cut flower cultures II. (dr. István Dániel Mosonyi) 9. Technologies of special cut flower cultures III. (dr. Dániel István Mosonyi) 					

10. Technologies of special ornamental pot plant cultures I. (dr. Máté Ördögh)
11. Technologies of special ornamental pot plant cultures II. (dr. István Dániel Mosonyi)
12. Technologies of special ornamental pot plant cultures III. (dr. István Dániel Mosonyi)
13. Modern in vitro techniques in the cultivation of ornamental plants (dr. István Dániel Mosonyi)

Participation requirements, way of replacement

Participation is advised.

Means of certification in the event of absence from an occupation or examination

Not necessary

Number, subject matter, timing, possibility of substitution and repair of mid-term inspections

Student tasks to be solved by individual work, their deadlines

Review of a freely chosen topic (according to the subject, approved in advance with the responsible lecturer of subject). 10 pages, based on minimum 30 scientific articles. Deadline: 02. 12. 2024. uploading in the e-learning surface. Students who have obtained at least a good (4) evaluation will receive a recommended exam mark based on their performance in the semester.

Requirements for obtaining a semester-end signature:

Preparing review (see above)

Way of rating:

exam

The methods of evaluation, exam

Students who have completed the semester signing requirements (and didn't receive or accept a recommended exam mark) will take an oral exam during the exam period.

Requirement: Knowledge of the course material presented in the lectures.

Compulsory readings:

PPT files of lectures (see on the homepage of the department: <https://landscape.uni-mate.hu/floriculture>) – login is needed!

Recommended literature:

- <http://kertesztananyag.hu/modern-systems-in-production-and-commerce-in-ornamentals>
- Hamrick, D. 2003. Ball Redbook I-II. Ball Publishing, Batavia Illinois, USA - determined parts
- Larson, R.A. 1992. Introduction to Floriculture. Academic Press, INC. San Diego, New York, Boston, London, Sydney, Tokyo, Toronto
- Reed, D.W. 1996. Water, Media and Nutrition of Greenhouse Crops. Ball Publishing, Batavia, Illinois, USA

This curriculum and these requirements were accepted on the meeting of Department of Floriculture and Dendrology on 28th August 2024.

The rules will come on force on the day following its acceptance, while the old standards are repealed.

Budapest, 28. August 2024.

Assoc. Prof. Dr. Peter Honfi
head of department