

ANGOL NYELVEN ELŐADOTT VÁLASZTHATÓ TÁRGYAK (PhD courses in English):

Course (Tárgy)	Neptun code (Neptun kód)	Professor/ Lectur er (Oktató)	Credits (Kredit)	hours w/sem.	Semester Spring/ Fall (Tavaszi/Ősz)	Kurzus típusa (Elmélet, Gyakorlat)	Számonkérés módja	kurzus teljesítésének feltételei	előkövetelmé nyek	kötelező szakirodalom	milyen képességeket fejleszt a tantárgy?
Geographical Information Systems	TETTD249N	Kollányi László	6	2/24	Spring	practice	oral exam	oral exam			
History of Landscape Architecture	TETTD267N	Eplényi Anna Vivien	6	2/24	Spring	theory	oral exam	give a short lecture about the topic, written hand in		Chip Sullivan: -E. Boulton: The Illustrated history of Landscape design	Historical developments in garden and landscape architecture; designers and design theories; exploring sites
Dilemmas of sustainability	TETTD251N	Sallay Ágnes	6	2/24	Fall	theory	oral exam	presentation	none	Recent scientific paper in the topic K. S. Robinson(2020): The Ministry for the Future	Understanding the theoretical background of sustainability theory and its practical implementation
Remote sensing	TETTD268N	Jombach Sándor	6	2/24	Spring	theory and practice	oral exam	Presentation about the relation of the PhD topic and Remote sensing	none	Jensen, John R., (2007): Remote Sensing of the Environment - An Earth Resource Perspective. Pearson Education, Inc., Upper Saddle River (NJ)	Spatial data processing based on images, using indices, mapping, analysis and assessment of landscapes
Contempor ary Landscape design	TETTD271N	Karlócai Bakay Eszter	6	2/24	Spring						
Urban Green Infrastructure	TETTD272N	Szilágyi Kinga	6	2/24	Spring	theory + team work	oral exam / publication draft	participation on lectures, in team work and presentation		Recent scientific paper in the topic	Understanding the role of UGI in the urban system in ecological, social and climate regulation aspects
Sustainable landscape planning	TETTD269N	Boromisza Zsombor	6	2/24	Spring	practice	exam	participation on lectures and site visits		Recent scientific papers	understanding public perception of natural processes, sustainable solutions in water management
Adaptation to Climate Change	KORTU238N	Bozó László	6	2/24	Spring/Fall	theoretical	exam	Individual preparation of scientific papers, participation at consultations		Recent scientific reviews and papers	Opportunities for adaptation to contemporary anthropogenic climate change at various spatial scales

Multivariate statistical methods	MATER075N	Ladányi Márta	6	2/24	Spring	theoretical	project work	submitted project work	Medium-level statistical background, being familiar with R	Tabachnick, B. G., & Fidell, L. S. (2022). Using Multivariate Statistics (7th ed.). Pearson. ISBN-13: 9780137526543 Field, Andy P. (2026). Discovering Statistics Using R and RStudio. SAGE Publications. ISBN 978-1-5264-6136-0 Podani J. (1994). Multivariate Data Analysis in Ecology and Systematics. SPB, The Netherlands. Ecological Computations Series, vol. 6. ISBN 90-5103-0940 Podani J. (2000). Introduction to the Exploration of Multivariate Biological Data. Backhuys Publishers, Leiden, The Netherlands. ISBN 90-5782-067-6	Students will be able to analyse complex multivariate data arising from environmental research in a statistically and ethically sound manner, as well as interpret, visually present, and communicate results to a scientific standard.
Research in Planning and Design	DHKT025N	Martin van den Toorn	6	2/24	Spring						
Research methodology	MATER077N	Szabóné Erdélyi Éva	6	2/24	Fall	theory	oral exam	give a short lecture about a selected research method, write a written report about it, and take part in the discussion	none	books and scientific papers in the topic (everyone has a different topic from a list)	developing scientific thinking, information retrieval, and source evaluation skills, while providing a foundation in the methodological knowledge required for planning and interpreting research, critical analysis and synthesizing literature