SZENT ISTVÁN UNIVERSITY

FACULTY OF LANDSCAPE ARCHITECTURE AND URBANISM

ERASMUS COURSE CATALOGUE

2018/19 – 2nd SEMESTER
SPRING

LIST OF CORE COURSES

The Faculty of Landscape Architecture and Urbanism of Szent István University is currently offering the below-listed core courses for the Spring Semesters of 2018/2019 academic year.

Module	Lecturer	ECTS Credit	Contact hours/ semester	Spring /Fall
Contemporary Landform Design	Eplényi Anna	4	24	S
Creekside Landscapes	Ildikó Réka Nagy	4	24	S
Europe's Nature, regional and Landscape Parks	Szilvácsku Zsolt	4	24	S
Foundations of Technical Drawing using AutoCAD	Anna Czinkóczky	4	24	S/F
GIS in Field and Office	Jombach Sándor	2	24	S
Image Editing with Photoshop	Czinkóczky Anna	4	24	S
Introduction to the Vegetation of Hungary - Field Survey	Attila Gergely	4	24	S
Land Art	Róbert Kabai	4	24	S
Landscape Planning and EU Membership	Krisztina Filep-Kovács	4	24	S/F
Landscape Planning in Budapest Agglomeration	Krisztina Filep-Kovács, István Valánszki	4	24	S
Management of Lakes	Zsombor Boromisza	4	24	S/F
Modelling with SketchUp in Landscape Architecture	József László Molnár	4	24	S/F
Planing with ecosystem services	Krisztina Filep-Kovács	4	24	S
Sustainable Landscapes	Krisztina Filep-Kovács	4	24	S/F

Course descriptions

Title	Contemporary Landform Design		
Code			
Prerequisites	none		
Description	The terrain modelling and landform design is one of the essential background in landscape architecture. The aim of this course is to get involved into artistic use of terrain-transformation, deepen knowledge in traditional field names, land-forms, agricultural terraces, post-industrial mining landscapes, learn about 20th century designers (I. Noguchi, E. Cramer, Ch. Jencks, L. Halprin) and contemporary sites and design issues. The classes include manual practice in the field of sculpture and relief, such as cardboard model, clay, plaster and sand, as well as some painting exercises.		
Lecturer	Anna Eplényi PhD, LA architect and art teacher		
Semester		*Contact hours/week*	2
Level		*ECTS Credit*	4
Teaching and Learning Methods:	3 session of theory 7 session of artistic activity 2 session of student presentation of contemporary design		
Costs	2000 HUF (7 Euro) (for materials: clay, paper, glue, paint, accessories)		
Reading:	C. Dee: Form and fabric in Landscape Architecture, Routledge, 2002		
Assessment:	Portfolio hand-in of the lessons and homework (70%) 3 hours long design-activity exam (30%)		

Title	Creekside Landscapes		
Code	STKTV3CLERASM		
Prerequisites	-		
Description	The course offers a partially scientific but also practical course of planning and designing creekside landscapes. The course starts with a 5-week seminar, 2 hours a week, when students discuss historical and present aspects of small watercourse landscapes. During the second part of the course students are welcomed for two field trips: a guided walk through an urban creekside and a one-day trip to the Duna Museum in the small Hungarian ville of Esztergom. In the third part of the course students are asked to prepare a short presentation and complete their own field survey of a chosen Hungarian creek.		
Lecturer	Ildikó Réka NAGY		
Semester	**Spring**	*Contact hours/week*	2
Level	undergraduate/graduate	*ECTS Credit*	4
Teaching and Learning Methods:	Seminars and Practical field work		
Costs	-		
Reading:	-		
Assessment:	Survey and presentation completed during the course		

Title	Europe's Nature, Regional, and Landscape Parks		
Code	**6TF63NCS05B**		
Prerequisites	-		
Description	Objectives: Students get acquainted with thematic fields, scope, tools of sustainability, resilience, collaborative planning and management related regions of nature parks. Through case studies and interviews with different stakeholders of nature parks in Europe students follow the process and life cycle of nature park development. The course will help developing and understanding of how nature park's planning and management works harmonizing different needs of the local and regional stakeholders. • Sustainable living, sustainability related different territorial level (personal, local society, village, cities, landscape and region) • Development and tasks of regional nature parks in Europe • How do regional nature parks benefits Europe and European countries • Regional nature parks in the individual European States • Resilience from theoretical and practical view • Stakeholder management and social learning methods and practice		
Lecturer	Zsolt Szilvácsku PhD landscape architect and lawyer		
Semester	S and F	*Contact hours/week*	24
Level	BSc, MSc	*ECTS Credit*	4
Teaching and Learning Methods:	The course will consist of three major parts: 1. lectures – in the frames of classes during the semester 2. research – through internet and in the selected regions (to find and evaluate the practices of the nature parks 3. consultation – in the frames of classes during the semester with the course leader and invited experts		
Costs			
Reading:	**Living Landscapes** -Europe`s Nature, Regional, and Landscape Parks – model regions for the sustainable development of rural areas, Verband Deutscher Naturparke e. V. (VDN) Holbeinstr. 12, D-53175 Bonn Ulrich Köster, Katharina Denkinger www.naturparke.de, 2017. **Learning together to manage together**, University of Osnabrück, 2005		
Assessment:	The participation in the seminar (lecture and consultation) is obligatory. The final grade will be the results of the evaluation of activities during the course, the written examination (2 w.e.), documentation of research (max. 20 pages)		

Title	Foundations of Technical Drawing using AutoCAD		
Code	6TKTYFTDCADCXN		
Prerequisite	Basic IT skills		
Description	The course is aimed to introduce the AutoCAD environment to students that is essential to produce architectural or landscape plans. The students will have to demonstrate their technical and problem solving skills in a complex computer based environment		
Lecturer	Dr. Anna CZINKÓCZKY		
Semester	**Fall/spring**	*Contact hours/week*	2
Level	Undergraduate/graduate	*ECTS credit*	4
Teaching and Learning Methods	Practice based computer lab seminars		
Costs	–		
Reading	**Required Textbook**: Engineering Graphics with AutoCAD 2011, by James Bethune; Prentice Hall Publishing. **Optional Reference Textbook:** AutoCAD and its Applications 2010 by Shumaker or any AutoCAD textbook.		
Assessment	• 10% in class participation • 40% Midterm • 50% Final		

Title	Introduction to the Vegetation of Hungary - Field Survey		
Code	STKTVIVHERASM		
Prerequisites	Basics in plant taxonomy and plant ecology		
Description	The course offers an introduction to the natural and semi-natural vegetation of Hungary. The course starts with a 4-week seminar, 2 hours a week, when we study the Hungarian vegetation heritage, its recent pattern and landscape historical changes. Second part of the course students are welcomed for 3 field trips: a guided walk through a representative grassland, wetland and woodland habitats nearby Budapest.		
Lecturer	Attila GERGELY		
Semester	**Spring**	*Contact hours/week*	2
Level	Undergraduate/graduate	*ECTS Credit*	4
Teaching and Learning Methods:	Lectures include an introduction to the typical plant communities and its natural geographic features in Hungary. After theoretical classes, there are 3 half-day field trips. Attendance on the field trips is obligatory, students are allowed to miss one lecture of the course. During the seminar, students shall present a habitat of their country similar to the studied Hungarian plant communities (oral presentation).		
Reading:	*META Informatics: Vegetation Heritage of Hungary. Distribution maps of habitat type. (http://www.novenyzetiterkep.hu)* *Bölöni, J., Molnár, Zs., Illyés, E. and Kun, A. (2007): A new habitat classification and manual for standardized habitat mapping. — Ann. di Bot. n. ser. 7:55–76.* *Molnár, Zs., Biró, M., Bölöni, J. and Horváth, F. (2008): Distribution of the (semi-)natural habitats in Hungary I. Marshes and grasslands. — Acta Bot. Hung .50 (Suppl.):59–105.* *Bölöni, J., Molnár, Zs., Biró, M. and Horváth, F. (2008): Distribution of the (semi-)natural habitats in Hungary II. Woodlands and shrublands. — Acta Bot. Hung. 50 (Suppl.): 107–148. Illyés E. & Bölöni J. (eds.) (2007): Slope steppes, loess steppes and forest steppe meadows in Hungary. Magánkiadás. Budapest*		
Assessment:	Based on students' presentations and written exam. The topic of the written exam is characterising of some plant communities studied on the field trips. The active participation on the field trips is needed.		

Title	Land Art		
Code	STKTV3LACXN		
Prerequisites	Finished course in Landscape History/Landscape Design/Art History		
Description	The topic of the module is outdoor sculptures and other artistic projects created under the names of land art, earth art, environmental art, art in nature etc. since the 1960s up to nowadays. The aim of the course is to achieve a better understanding of and develop a special approach towards artistic shaping and creation of landscapes and urban open spaces. The course is open both for domestic and international students.		
Lecturer	Róbert KABAI		
Semester	**Spring**	*Contact hours/week*	2
Level	Undergraduate/First cycle Graduate/Postgraduate/Second cycle	*ECTS Credit*	4
Teaching and Learning Methods	Following an introductory lecture, the subject is discussed through a range of seminars illustrated with several examples of artworks. In May, there is also a whole day outdoor happening organized. By the end of semester, students shall design an outdoor sculpture and present it through a real or virtual model.		
Costs	• Travel (outdoor workshop): max. HUF 2000 • Variable costs of model preparation (depending on the techniques and materials chosen)		
Reading	• *Boettger, S. 2004: Earthworks: Art and the Landscape of the Sixties. University of California Press* • *Lailach, M. 2007: Land Art. Taschen* • *Weilacher, U. 1999: Between Landscape Architecture and Land Art. Birkhäuser, Basel-Berlin-Boston*		
Assessment	• Project design 75% • In-class participation 25%		

Title	Landscape Planning and EU Membership		
Code	STKTF342CXN		
Prerequisites	None		
Description	Students get acquainted with the European Unions spatial trends and policy fields related to spatial planning. Using the latest results of ESPON research program we explore the territorial challenges facing the EU and get acquainted with different scenarios of future trends. Through lectures and discussions students became familiar with examples of the European planning systems.		
Lecturer	Krisztina FILEPNÉ KOVÁCS		
Semester	**Fall/Spring**	*Contact hours/week*	2
Level	Undergraduate/graduate	*ECTS Credit*	4
Teaching and Learning Methods	Lectures, discussions, self-reading, student presentations.		
Costs	–		
Reading	EU Compendium of spatial policy http://www.espace-project.org/publications/EUcompendium.pdf OECD Proceedings: Towards a new road of spatial planning		
Assessment	• Course work 20% • Presentation 30% • Final essay 50%		

Title	Landscape Planning in Budapest Agglomeration		
Code	6TFLPBCXN		
Prerequisites	None		
Description	The course contains the theoretical lectures about the actual landscape planning challanges as brownfield rehabilitation, control of suburbanisation. The focus of the course is to visit sites interesting from landscape planning view in Budapest and the agglomeration zone. Topics: Spatial planning system and landscape planning in Hungary, Agglomeration trends in the world (Lecture) History of Budapest agglomeration, Greenways and Brownfield and urban rehabilitation (Lecture, introduction of pilot areas) Urban rehabilitation projects in Budapest (site visit) Land use conflicts in the agglomeration, mining sites (site visit) Brownfiled rehabilitation (Gázgyár), landscape changes in Pannonia/Landscape protection in the metropolitan region of Budapest (site visit) Suburbanisation process and conflicts in Budapest agglomeration (site visit)		
Lecturer	Krisztina FILEPNÉ KOVÁCS, István VALÁNSZKY		
Semester	**Spring**	*Contact hours/week*	2
Level	Undergraduate	*ECTS Credit*	4
Teaching and Learning Methods:	Lectures and site visits		
Costs			
Reading:			
Assessment			

Title	Management of Lakes		
Code	6TV62LPCXN		
Prerequisites	None		
Description	The purpose of the course is to provide a comprehensive knowledge of lakes for landscape architects. The course gives an overview of the most typical landuse conflicts, nature values and actual professional issues concerning standing waters, through case studies. Lectures are going to deal with the basics of lake science, the classification of lakes, the assessment methods of lakeshores, covering the management and restoration issues as well. Students are required to work out a poster and prepare for a presentation concerning a lake assessment.		
Lecturer	Zsombor BOROMISZA		
Semester	**Fall/spring**	*Contact hours/week*	2
Level	Undergraduate/graduate	*ECTS Credit*	4
Teaching and Learning Methods	Lectures, seminars, site visits.		
Costs	• Travel: HUF 1700		
Reading	Lecturer's handouts Christer Brönmark, Lars-Anders Hanson (2006): The biology of lakes and ponds. Oxford University Press. Oxford. G. Dennis Cooke, Eugene B. Welch, Spenser A. Peterson, Stanley A. Nichols (2005): Restoration and management of lakes and reservoirs. Third edition. Taylor and Francis Group. Boca Raton.		
Assessment	• Oral presentation (50%) • Lake assessment project (poster) (50%)		

Title	Modelling with SketchUp in Landscape Architecture		
Code	6TF63MSUCXN		
Prerequisites	Basics in CAD/GIS are useful, but it's not compulsory		
Description	SketchUp is simple but powerful tool to create 3D ideas. This 3D software is a unique from the graphics and 3D visualisation software. The simplicity of the software makes it extremely quick to take a sketch and recreate into any 3D object. It is suitable for viewing and modification and our work can easily publish on the Internet. Drawing can be combined with the elegance and spontaneity of pencil but on the digital wax. It's not only for sketching - complex drawings can be created with it too. The students will get a practical and handy knowledge about how to create, edit, manipulate and present models in landscape architecture or in open space design. The laboratory exercises will cover: working with objects (selecting, cloning, transforming, cloning etc.); modelling basics (drawing and modifying objects), applying materials, adding effects, using scenes.		
Lecturer	József László MOLNÁR		
Semester	**Fall/spring**	*Contact hours/week*	2
Level	Undergraduate	*ECTS Credit*	4
Teaching and Learning Methods	*Computer laboratory training with Trimble SketchUp 8 software. Daily tasks (theoretical background, practical advice), homeworks to solve the students work individually.*		
Reading	Trimble SketchUp Help;, Google SketchUp and SketchUp Pro 7 Bible		
Assessment	Based on students' individual work submitted (digital models) and their weekly activity. Final work. • Course works 10% • Home works 20% • Mid term exam 30% • Final exam 40%		

Title	Planning with ecosystem services		
Code			
Prerequisites	None		
Description	The course offers a general knowledge about ecosystem services. The course first presents the general theory and framework around ecosystem services, based on the Millenium Ecosystem Assessment classification. We will review the categories of services and types of ecosystems. Then, we will focus on the urban landscape and the methodologies for assessing ecosystem services in landscape architecture and planning. Finally, we will end with a critical analysis of this method from researchers and practitioners. Each lecture will be divided into two parts: first theory and then illustrations with case studies or field observations. By the end of the course the students will know the concepts of : -Assessing well-being and biodiversity -Domino effects -Natural capital		
Lecturer	Paloma Gonzalez de Linares		
Semester	**Spring**	*Contact hours/week*	2
Level	undergraduate/graduate	*ECTS Credit*	4
Teaching and Learning Methods:	Lectures, case studies, self reading, field observations.		
Costs	–		
Reading:	Book : *E.F* Schumacher, 1973, *Small is Beautiful.* Website: Millenium Ecosystem Assessment. http://www.millenniumassessment.org/en/Synthesis.html — The Economics of Ecosystem Services (TEEB). http://www.teebweb.org/		
Assessment:	5% Presence/Participation 10% Individual study 40% Midterm Exam 45% Final group work		

Title	Sustainable Landscapes		
Code	6TFSULAERASM		
Prerequisites	Basics of Landscape / Urban Planning		
Description	The subject highlights some important issues of sustainable planning / design in both urban and rural landscapes. The aim of the module is to provide competences in sustainable development and management of landscapes. Lecturers involved introduce various social and ecological aspects of sustainability, including sustainable urban drainage systems, light pollution, wildlife protection, socially sustainable urban planning, urban agriculture, building stewardship in community planning, managing community charrettes and multifunctional landscapes, greenways, lakeside management.		
Lecturer	Krisztina FILEP-KOVÁCS, Róbert KABAI, Zsombor BOROMISZA		
Semester	**Fall/spring**	*Contact hours/week*	2
Level	undergraduate/graduate	*ECTS Credit*	4
Teaching and Learning Methods:	Beyond the 90-minutes weekly seminars, students are required to study the appointed professional materials in the topic of the lectures.		
Costs	–		
Reading:	— M. Calkins: Materials for Sustainable Sites. Wiley, 2009 — T.W. Cook, A.M. Vanderzanden: Sustainable Landscape Management — Douglas Farr: Sustainable Urbanism: Urban Design With Nature. Wiley, 2008 — Fred Steiner, The Living Landscape: An Ecological Approach to Landscape Planning — Janie Benyus: Biomimicry: Innovation Inspired by Nature — Mander, U., Wiggering, H., Helming, K. (eds): Multifunctional land use – meeting future demands for landscape goods and services. Springer, Berlin, Heidelberg (Germany) — Paul Cawood Hellmund - Daniel Somers Smith: Designing Greenways (Sustainable Landscapes for Nature and People) — Future Communities: Design for Social Sustainability: A Framework for Creating Thriving New Communities. London, Social Life, 2012. — Sustainable Seattle: http://sustainableseattle.org/programs/regional-indicators — Sustainable City http://www.sustainable-city.org/ — http://www.sustainable-city.org/document/primer/index.html — http://www.asla.org/sites.aspx		
Assessment:	• Test 100%		