List of courses with description
2016
Faculty of Landscape Architecture and Urbanism
SZENT ISTVÁN UNIVERSITY

List of courses

Module	Lecturer	ECTS Credit	Contact hours/ semester	Spring /Fall
Aerial and Satellite Landscapes	Sándor Jombach	4	24	F
Building into the Landscape	Anna Eplényi, Olga Harea	4	24	S
Creative Art Lessons on Modern Sculpture and Landscape Architecture	Anna Eplényi	6	30	F
Creekside Landscapes	Ildikó Réka Nagy	4	24	S
Environmental Project Management	Hajnalka Schmidt	4	24	S
Foundations of Technical Drawing using AutoCAD	Anna Czinkóczky	4	24	S/F
Google Earth Landscapes	Sándor Jombach	6	36	F
History of Hungarian Architecture	Mariann Simon	4	24	F
Introduction to the Vegetation of Hungary - Field Survey	Attila Gergely	4	24	S
Land Art	Róbert Kabai	4	24	S
Landscape Character Studies	Róbert Kabai	4	24	F
Landscape Identity - Landscape Design	Albert Fekete	4	24	F
Landscape Planning and EU Membership	Krisztina Filep-Kovács	4	24	F
Landscape Planning in Budapest Agglomeration	Krisztina Filep-Kovács, István Valánszki	4	24	S
Landscape Sketches	Anna Eplényi	2	24	F
Management of Lakes	Zsombor Boromisza	4	24	S/F
Marketing Based Urban Planning and Development	Richárd Ongjerth	4	22	F
Modelling with SketchUp in Landscape Architecture	József László Molnár	4	24	S/F
Open Space Design in Daily Practice 1	Eszter Bakay	4	24	S
Open Space Design in Daily Practice 2	Eszter Bakay	4	24	F
Planning of Green roofs and Green walls	András Béla Oláh	4	24	S
Special Dendrology 1	Krisztina Szabó	4	24	F
Special Dendrology 2	Krisztina Szabó	4	24	S
Sustainable Landscapes	Krisztina Filep-Kovács	4	24	S/F
Urban Farming	András Béla Oláh	4	24	F

Course descriptions

Title	Aerial and Satellite Landscapes		
Code	STKTF2NLFCXN		
Prerequisites	-		
Description	The course focuses on analysing aerial and satellite images on the field and in the office as well. The most important topic is on the mosaics of built structure and green spaces in Budapest and its suburbs. The use of images is presented and practiced from green space intensity survey to urban and rural landscape visualization. The course aims to teach the methods of complex and interactive use of imagery and related methods in landscape interpretation and analysis. The aim is to get to know various types and uses of aerial photographs and satellite images in landscape architecture. The objectives are that by the end of the course the students get familiar with the imagery suitable for interpreting, analysing landscapes.		
Lecturer	Sándor JOMBACH		
Semester	**Spring**	*Contact hours/week*	2
Level	undergraduate	*ECTS Credit*	4
Teaching and Learning Methods:	The class meets once a week. Each occasion holds 90 minutes. Classes 10 times in the semester and a field trip.		
Costs	-		
Reading:	- Aronoff, Stan. (2005): Remote Sensing for GIS Managers. ESRI PRESS, Redlands, California - Lillesand, Thomas. M., Kiefer, Ralph. W.., Chipman, Jonathan. W., (2004): Remote Sensing and Image Interpretation. John Wiley and Sons, Hoboken, New Jersey, USA - Jensen, John R., (2007): Remote Sensing of the Environment - An Earth Resource Perspective. Pearson Education, Inc, Upper Saddle River (Nj)		
Assessment:	Preparation and oral presentation of the semester project (on a site in/near Budapest chosen by the student) about managing various images on a sample area • 0–50%-1elégtelen=Non-satisfactory 51–63%-2elégséges=Satisfactory 64–76%-3közepes=Medium 76–88%-4jó=Good 89–100 % - 5 jeles = Very good		

Title	Building into the Landscape		
Code	6KMIBLCXN		
Prerequisites	-		
Description	Landscape Architecture is the balance of art, science, and nature. Over the past ten years, a diverse group of architects, landscape architects, and artists have undertaken groundbreaking projects that propose an integration of landscape and architecture, dissolving traditional distinctions between building and their local environment. They have introduced new and exciting composition as well as techniques for preserving the natural land and landscape character on which new homes, wineries, natural visitor centers or museums etc. are built. In this course, we will analyze in-depth some of the most important architectural projects that have strong visual connections between the landscape and architecture from around the world. The "built forms into landscape" are grouped according to country, and each example will be reviewed in terms of landscape character, predominant building material, pattern, connection with the terrain etc. Will examine the contribution of key architects (like: Frank Lloyd Wright, Walter Burley Griffin, Peter Zumthor, Alvaro Siza, Mies van der Rohe, Herzog & de Meuron etc.) to the development of approaches to built forms in the landscape, and analyse the significant works to emphasize the connection between past and present landscape design.		
Lecturer	Anna Eplényi, Olga Harea		
Semester	**Fall**	*Contact hours/week*	2
Level	undergraduate/graduate	*ECTS Credit*	4
Teaching and Learning Methods:	Lectures and site visits		
Costs			
Reading:			
Assessment:	During the courses will be given the detailed analysis of the well-known projects which offer to the students the opportunity of in-class involvement and participation. 50% of the final grade is given after this in-class activity, while 50% is based on the result of a final presentation. Students will deliver a presentation on a specific topic, namely, deeper description and analysis of 5 examples of built forms (which have strong visual connections with the landscape) from 10 aspects.		

Title	Creative Art Lessons on Modern Sculpture and Landscape Architecture		
Code	6KMCALERASM		
Prerequisites	Basic knowledge of garden art, Open minded-approach to manual work.		
Description	The course focuses to the art of the first part of the 20th century, especially on sculpture, architecture and landscape-garden design. The aim of the lessons is to apply the problems of art-theory into real, doing-art projects (modelling, painting, sculpturing) in order to have deeper understanding of design approaches, artistic-problems.		
Lecturer	Anna EPLÉNYI PhD		
Semester	**Fall**	*Contact hours/week*	**4**
Level	**undergraduate**/graduate	*ECTS Credit*	**6**
Teaching and Learning Methods:	The 180-minutes weekly seminars will start with a short presentation of the Artist, Sculptor or LA-architect (20') which will be followed by individual or group manual, freehand activity (modelling, painting, installations) – (120') and a feedback-round of the art-projects (20'). Topic of the lessons: 1. Introduction and sum-up of the MODERN ART and MODERN SCULPTURE 2. G. Guevrekian – Cubist garden, mobile installation of colour hungarocell solids > preparing video-animation 3. Russian Avantgarde: Tatlin – towers, balsawood tower building with nails 4. Constructivism in Nederland: Mondrian, Mien Ruys: paper composition in 2D and in 3D 5. Henry Moore's Sculpture: inspired by Peak District's landscapes and eyey- stones: pastel-painting and soap-models 6. Isamu Noguchi: clay activity, terrain modelling with expressions 7. Mirei Shigemori: Japanese modernism, Stone-Installation, asymmetry 8. Thomas Church: black-white graphic works 9. Garrett Eckbo: non-figurative painting, assemblage 10. Roberto Burle Marx: paper cut-out, painting inspired by tropic flowers 11. Richard Serra: the fluid-flow space, metal installation 12. Feedback of the year, sum-up		
Costs	• Art Materials: 7000 HUF		
Reading:	• Trieb, M.: The social art of landscape design, • Trieb,M – Imbert: Garret Eckbo, Modern landscapes for living, Univerisity of California Press, 2005. • Modern Landscape Architecture – A critical review, (Ed. Marc Trieb), MIT Press, 1993. • Shepheard, Peter: Modern Gardens, Architectural Press London, 1954		
Assessment:	• Test of the theory at the end of the semester: 20 % • Short individual presentation on articles, artist: 10% • Hand-in of the sketchbook containing all the documentation of the activities and home works: 70%		

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	Environmental Project Management		
Code	6TVEPMERASM		
Prerequisites	Basics of landscape / urban planning		
Description	The main aim of the module is to prepare students for development and management of environmental projects. After successful completion of the seminar, students will be able to develop a project plan, define and manage the overall scope of projects, document the project goals, manage the relationship with stakeholders, plan and control the budget costs, identify and allocate human resource required to manage project tasks, plan and implement the necessary communication activities.		
Lecturer	Hajnalka SCHMIDT		
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, plan and present some environmental projects and participate in management skill workshops.		
Costs	• Travel • Printing • Other		
Reading:			
Assessment:	• Presentation 100%		

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	Google Earth Landscapes		
Code	6TF63PAPCXN		
Prerequisites	None		
Description	The aim of the course is to experience, learn and use the Google Earth for landscape architecture purposes. The application offers a suitable platform for GIS-based presentation of research results, landscape changes or various elements of any kind of plans. Google Earth application is a free, available and offers a comfortable user environment for planners, developers at any spatial level from object level to regional scale. The course supports to acquire Google Earth based visualisation and presentation techniques (combining tour, path, model and other tools) and to combine with oral presentation skills.		
Lecturer	Sándor JOMBACH		
Semester	**Fall**	*Contact hours/week*	2
Level	Undergraduate/graduate	*ECTS Credit*	4
Teaching and Learning Methods:	Indoor classes, lectures, team and individual practical work special virtual GIS tasks and one outdoor trip. Preparation and presentation of assignments and written exam of basic Google Earth knowledge.		
Costs	–		
Reading:	MercyCorps: A Rough Google Earth Guide Google Earth Basics - Earthguide		
Assessment:	• Presentation (40%) • Prepared assignment (40%) • Common field work (20%)		

Title	History of Hungarian Architecture		
Code	6TKHHAERASM		
Prerequisites	None		
Description	The course gives an overview of Hungarian architecture from 1920 up to now. The classes concentrate on the main problems of the investigated decades, like the question of historicism and modernism or international and national sources between the 2 World Wars, socialist realism in the 1950s, technology and high-rise in the 1960s, built environment in the 1970s, post-modernism in the 1980s. As the problem of identity (national or regional architecture) is a recurrent theme throughout the entire period, the course pays a special attention to it.		
Lecturer	Mariann SIMON		
Semester	**Fall**	*Contact hours/week*	2
Level	undergraduate/graduate	*ECTS Credit*	4
Teaching and Learning Methods:	The 90 minutes weekly seminars follow the timeline of history of architecture. Two presentation and discussion classes are included approx. at the middle and at the end of the course, when students present their paper written about a building. Buildings for presentation are selected from the material of the two tours (one on modern architecture of Pasarét, the other on the rehabilitation quarter of the 8. district). Tours are organized in addition to classes.		
Costs	• Printing: cca. HUF 600		
Reading:	• Lecturer's handouts • *The Architecture of Historic Hungary,* eds: Dora Wiebenson, József Sisa, MIT Press 1998. Last two chapters • *Budapest Architectural Guide: 20th Century*, eds: Lőrincz Zsuzsa, Vargha Mihály, 6BT, 1997 • Rudolf Klein, Éva Lampel, Miklós Lampel: *Contemporary Architecture in Hungary*, Vertigo, Budapest 2002		
Assessment:	• In-class participation 20% • Essay and presentation 40% • Final written exam 40%		

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 Character Studies		
Code	6TKTVLCSCXN		
Prerequisites	Basics of landscape planning		
Description	The course focuses on the importance of landscape character assessment and its practical applications. The aim of the subject is to provide a general knowledge required for fitting development into the landscape. Lectures introduce the concept and importance of landscape character, the European Landscape Convention and Hungarian landscapes. This is followed by an overview of the methodology of landscape character assessment and its protection by planning and design tools, with an emphasis on site-specific approach.		
Lecturer	Róbert KABAI		
Semester	**Fall**	*Contact hours/week*	2
Level	Graduate	*ECTS Credit*	4
Teaching and Learning Methods:	The 90-minutes weekly seminars will review various aspects of the topic. Students are required to prepare and present a study on some existing or proposed development having a negative (or controversial) effect on the landscape.		
Costs	• Printing: cca. HUF 600		
Reading:	• *Swanwick, C. 2002: Landscape Character Assessment. Guidance for England and Scotland. The Countryside Agency and Scottish Natural Heritage* • *The Landscape Institute - IEMA 2013: Guidelines for Landscape & Visual Impact Assessment. Routledge*		
Assessment:	• Impact Study & Presentation 75% • Minor presentation 25%		

Title	Landscape Identity - Landscape Design		
Code	6TKKPLILDCXN		
Prerequisites	No prerequisites		
Description	The course will consider and question current perceptions on cultural values and meanings of 'landscape' and our relationship to them. Students are invited to explore the potentials for new spatial interventions within a selected location, which may act as sustainable 'models' within the urban/rural landscape fringe.		
Lecturer	Albert FEKETE		
Semester	**Fall/spring**	*Contact hours/week*	2
Level	Undergraduate/graduate	*ECTS Credit*	4
Teaching and Learning Methods	The content will be divided into a theoretical (20%) and a practical (80%) part. The semester starts with two lectures/seminars to examine the background of this topic. Students may be asked to examine key documents and present their own, also working together. The lectures will be accompanied by a design activity, involving site visits, studio work and tutorials, study trip (3 days study trip to Transyalvania). These practical parts will involve individual and team analysis and design work in design projects worked out at different levels of detail.		
Costs	• Travel: cca. EUR 150		
Reading	Jellicoe, G A Studies in Landscape Design Vol II Oxford University Press, 1966 Jacques, D and van der Hurst, The Gardens of William and Mary Helm, London, 1988 Jacques, D Georgian Gardens: The Reign of Nature Batsford, London 1983 Elliott, B Victorian Gardens Batsford, London 1986 Keswick, M The Chinese Garden: history, art and architecture London, Academy 1978 Laird, Mark Flowering of the Landscape Garden: English Pleasure Grounds 1720-1800 University of Pennsylvania Press, 1999 McLean Theresa Medieval English Gardens Guernsey Press [1981] 1989 Strong, Roy The Renaissance Garden in England 1979 Hunt, J D [Ed] The Italian Garden: Art, Design and Culture Cambridge University Press, 1996 Brown, J Gardens of a Golden Afternoon Lane, 1985 Shepheard, P Modern Gardens Architectural Press, 1953 Steenbergen, C & Reh, W Architecture and Landscape: The Design Experiment of the Great European Gardens and Landscapes Prestel, Munich 1996 Fekete A. Transylvanian garden history, Művelődés, Cluj, 2007.		
Assessment	Formative assessment will take place upon the presentation, consisting of a periodic review of student progress. (35%) Summative assessment involves an evaluation of a portfolio of completed drawings, models, reports, sketchbooks and notebooks, submitted during and at the end of the project. Portfolios (design documents) are assessed by a staff member who considers a representative sample of portfolios across the marking scales to confirm the overall assessment. (65%)		

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	Landscape Sketches		
Code	6KMTRCXN		
Prerequisites	Basic knowledge in drawing		
Description	A new approach in landscape drawing was developed at Corvinus University Budapest, Department of Garden Art in the last two years. Despite the traditional, academic drawing, we emphasise more landscape-related topics, as well as new intuitive approach in artistic representation. This method has been published in a bilingual self-study booklet, called "Landscape Sketches" – which will be the guide for the classes. With its pedagogically well-worked-out exercises we would like to encourage students to think visually in everyday design process. The tasks inspire the student-artist to interpret their surroundings and to express their personal relation, opinions and thoughts in pictures. The new method invites the phenomenology and the environment psychology to understand the holistic dimension of the environment, and to become able to express our observation. Right-side-brain activities, fast sketches, blind drawing, intuitive expresses help for the creative process to analyse parks, gardens, open spaces in word and drawing.		
Lecturer	Anna EPLÉNYI, Brigitta OLÁH		
Semester	**Fall**	*Contact hours/week*	2
Level	Undergraduate/graduate	*ECTS Credit*	2
Teaching and Learning Methods	Classes and outdoor exercise. Using sketchbook		
Reading	*Eplényi Anna – Oláh Brigitta: Tájrajzolatok, egyetemi jegyzet, 2011.* *Dobó-Molnár-Peity-Répás:Valóság, gondolat, rajz- építészeti grafika, Terc 2004* *B. Edwards: Understanding architecture through drawing, E & FN SPON, 1994.* *C. Dee: Form and fabric in landscape architecture – A visual introduction, Spon Press, 2001.* *C. Sullivan: Drawing the landscape, WILEY, 2004.*		
Assessment	Sketchbook hand-in, drawn exam		

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	Marketing Based Urban Planning and Development		
Code	6TVMUPDERASM		
Prerequisites	None		
Description	The course is an introduction into the background of the landscape projects, containing the basic information on the marketing approach and practical steps of urban planning and development. It contains the applied methods of learning the clearing the social needs, the possible ways of planning processes, the use of city marketing solutions, the optional partners and partnerships, the planning the financial background, and the communication work. The course has two greater part of work. The first one is the participation on the contact hours, what contains practical examples, site visits, and common consultancy on the personal home work too, the other is the home work on a proposal for the solution of a concrete case.		
Lecturer	Richárd ONGJERTH		
Semester	**Fall**	*Contact hours/week*	2
Level	Undergraduate	*ECTS Credit*	4
Teaching and Learning Methods	The students will have contact hours once a week in 90 minutes. The first 7 hours will consist a 70 minute lecture joined by debate after it. The following meeting the students will need to choose a topic for their presentation. The presentation should design a planning and development process of a problematic urban quarter in Budapest, or in home city of the student, from the recognition of social needs to the organisational and financial questions of the implementation of proposed solutions. In the next three hours will be site visits in two hours in different development or regeneration areas of Budapest. The last hours will serve the cca 15' long presentation of the students and their common evaluation.		
Costs			
Reading	Lecturer's handouts		
Assessment	• 30% In class participation • 70% Project & presentation		

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	Open Space Design in Daily Practice 1-2.		
Code	6KPOSDP1CXN; 6KPOSDP2CXN		
Prerequisites	Basics of Landscape and Open space Design, basic knowledge of Photoshop		
Description	The aim of the course is to provide students with a comprehensive understanding of the site from a designer point through a careful analysis which is the base of a successful design. The students will learn some quick presentation methods for preliminary, conceptual design of public open spaces. The course is divided into two main sections, a theoretical part and project work. The subject is very design oriented. The students prepare some design-projects on preliminary level, and will present them every second week. The sites are usually small parks or squares in Budapest. Because of the short deadline, there are no consultations, but the evaluation of the preliminary design is during class, right after each presentation. The theoretical part (every second week) focuses on general aspects of design, and there are also presentation of projects closely related to the design sites. Fieldtrips to the newly finished landscape projects of Budapest.		
Lecturer	Eszter BAKAY		
Semester	**Fall/spring**	*Contact hours/week*	2
Level	graduate	*ECTS Credit*	4
Teaching and Learning Methods:	The class meets once a week, each session lasts for 90 minutes. Every second week there is presentation and evaluation of design projects and hand-out of the new ones. Time will be devoted to problem-solving and discussion where active student participation is required. On weeks between the presentations lectures are held by the instructor, which help the design process. In a session, the students introduce their favourite park during an approx. 10 minutes long presentation.		
Costs	–		
Reading:	• *J. Ormsbee Simonds, Barry W. Starke: "Landscape Architecture" 4th Edition, Mc Grow-Hill, 2006 edition* • *www.landezine.com*		
Assessment:	• 40 % Project 1 • 50 % Project 2 • 10% presentation of favourite park		

Title	Planning of Green roofs and Green walls		
Code	6KPPGGCXN		
Prerequisites	-		
Description	Due to the extremely high rate of urbanization the number and size of green areas decreased remarkably in most settlements. Thus the rate of the green surfaces has to be increased on all possible ways. Meanwhile ecological, climatic, and energetic considerations all point out the advantages of plant covering on the surfaces of buildings. - This course provides the knowledge of planning and designing any type of green roofs and green walls. - There will be emphasized the ecological, climatic, energetic aspect of the usage of these kind of urban green surfaces. - There will be provided a general overview about the present and the possible future signification of such green surfaces in urban environment. - There will be reviewed the question of sustainability of these built green surfaces.		
Lecturer	András Béla OLÁH		
Semester	**Spring**	*Contact hours/week*	2
Level	Undergraduate/graduate	*ECTS Credit*	4
Teaching and Learning Methods	Lectures and site visits		
Costs	-		
Reading	-		
Assessment	Submission of the 1st task (25%): planning and designing an intensive green roof. Ground plot (M=1:100), general cross section (M=1:100), two more cross sections (M=1:20) about significant details (for example about the edge of the roof). Two perspectives (a bird-eye view, and a close-up). Everything must be submitted in .pdf form (A3 horizontal, 200 dpi). Submission of the 2nd task (25%): designing a green wall. Front view (M=1:100), general cross section (M=1:100), two more cross sections (M=1:20) about significant details. Two perspectives. Everything must be submitted in .pdf form (A3 horizontal, 200 dpi). Oral exam (50%): Itemization is the same that of the course schedule.		

Title	Special Dendrology 1		
Code	6KPSDERASM		
Prerequisites	Basic botanical and dendrological knowledge		
Description	The aim of the course is to learn about mostly woody taxa that are not in the basic requirement and to become experienced in the practical application of these species. During the semester the classes provide knowledge of more than 250 species, subspecies and cultivars. In the second part of the course, students tour two botanical gardens in Budapest. Students have to choose a bedding out of urban open space, survey or analyze the planted species and to evaluate the planting application of the chosen site and have to deliver oral presentation about it. The exercise can be extended with drawings.		
Lecturer	Krisztina SZABÓ		
Semester	**Fall**	*Contact hours/week*	2
Level	undergraduate/graduate	*ECTS Credit*	4
Teaching and Learning Methods:	Indoor and outdoor classes and two half day trips. Students' knowledge of plant materials will be enriched by plant identification walks and plant identification exams.		
Costs	• Travel: cca. HUF 2000		
Reading:	• *Krüssmann, G. (1985): Manual of Cultivated Conifers. Timber Press, Portland, Or., USA* • *Krüssmann, G. (1989): Manual of Cultivated Broad-leaved Trees and Shrubs. Timber Press, Portland, Or., USA* • *Krüssmann, G. (1990): Manual of Woody Landscape Plants. Stipes Publ. Company, Champaign, Ilinois, USA* • *Rehder, A. (1985): Manual of Cultivated Trees and Shrubs Hardy in North America. Dioscorides Press, Portland, Or., USA* • *DEBRECZY, Zs., RÁCZ, I. (2011): Conifers Around the World, DendroPress Ltd, Budapest*		
Assessment:	• Plant identification exams 20% • Presentation 30% • Final written exam 50%		

Title	Special Dendrology 2		
Code	6KPSD2ERASM		
Prerequisites	Basic botanical and dendrological knowledge		
Description	The aim of the course is to learn about mostly woody taxa that are not in the basic requirement and to become experienced in the practical application of these species. During the semester the classes provide knowledge of more than 250 species, subspecies and cultivars. In the course there will be students tours to three botanical gardens in Budapest and Vácrátót. The classes will be in blocks (12.05.2014-16.05.2014), at first day some theoretical lectures will be about general morphological features and those species or cultivars which can apply like urban tree. Then the dendrology walking will start in Buda Arboretum and other Botanical Gardens. Students have to choose a bedding out of urban open space, survey or analyze the planted species and to evaluate the planting application of the chosen site and have to deliver oral presentation about it. The exercise can be extended with drawings.		
Lecturer	Krisztina SZABÓ		
Semester	**Spring**	*Contact hours/week*	40/1
Level	Undergraduate/graduate	*ECTS Credit*	4
Teaching and Learning Methods:	Indoor and outdoor classes and three trips. Students' knowledge of plant materials will be enriched by plant identification walks and plant identification exams.		
Reading:	KRÜSSMANN, G. (1985): Manual of Cultivated Conifers. Timber Press, Portland, Or., USA KRÜSSMANN, G. (1989): Manual of Cultivated Broad-leaved Trees and Shrubs. Timber Press, Portland, Or., USA KRÜSSMANN, G. (1990): Manual of Woody Landscape Plants. Stipes Publ. Company, Champaign, Ilinois, USA REHDER, A. (1985): Manual of Cultivated Trees and Shrubs Hardy in North America. Dioscorides Press, Portland, Or., USA DEBRECZY, Zs., RÁCZ, I. (2011): Conifers Around the World, DendroPress Ltd, Budapest		
Assessment:	practical mark		
	• Presentation 100%		

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%		

Title	Urban Farming		
Code	6KPUFCXN		
Prerequisites	-		
Description	In recent times there appeared a phenomenon which is quite unusual, although it has its historical antitypes. This is the so called Urban Farming. Due to the continuously increasing food demand, the increasing rate of urban population worldwide and the necessity of energy consumption decreasing the producing of the food directly on the site of its ingestion is extremely advantageous. In the last few years appeared a lot of inventions on this field, some of them useful and some of them cannot be realized effectively. - This course provides an overview of these inventions and the opportunities and advantages (and disadvantages) of their realisation. - These inventions will be surveyed from many aspects with a special regard to the sustainability.		
Lecturer	András Béla OLÁH		
Semester	**Fall**	Contact hours/week	2
Level	Undergraduate/graduate	ECTS Credit	4
Teaching and Learning Methods:	Widening the knowledge and deepening the understanding of the students in the fields of global urban and food problems, furthermore increasing their abilities to find new ways by solving a given problem.		
Reading:	-		
Assessment:	Oral exam		