

List of courses with description

2016/17

**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 | S |
| Building into the Landscape | Anna Eplényi, Olga Harea | 4 | 24 | N.A. |
| Creekside Landscapes | Ildikó Réka Nagy | 4 | 24 | S |
| Environmental Project Management | Hajnalka Schmidt | 4 | 24 | S |
| Foundations of Technical Drawing using AutoCAD | Anna Czinkóczy | 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 and Democracy | <i>precised later</i> | 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 |
| Management of Lakes | Zsombor Boromisza | 4 | 24 | S/F |
| Marketing Based Urban Planning and Development | Richárd Ongjerth | 4 | 24 | 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 |
| 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 |

Course descriptions

| Title | | Aerial and Satellite Landscapes | |
|--------------------------------|---|---------------------------------|---|
| Code | STKTF2NLFCXN | | |
| Prerequisites | - | | |
| Description | <p>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.</p> <p>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.</p> | | |
| 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: | <p>- Aronoff, Stan. (2005): Remote Sensing for GIS Managers. ESRI PRESS, Redlands, California</p> <p>- Lillesand, Thomas. M., Kiefer, Ralph. W., Chipman, Jonathan. W., (2004): Remote Sensing and Image Interpretation. John Wiley and Sons, Hoboken, New Jersey, USA</p> <p>- Jensen, John R., (2007): Remote Sensing of the Environment - An Earth Resource Perspective. Pearson Education, Inc, Upper Saddle River (Nj)</p> | | |
| Assessment: | <p>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</p> <ul style="list-style-type: none"> • 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 | | |
|---------------------------------------|---|---------------------------|---|
| <i>Code</i> | 6KMIBLCXN | | |
| <i>Prerequisites</i> | - | | |
| <i>Description</i> | <p>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.</p> <p>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.</p> | | |
| <i>Lecturer</i> | Anna Eplényi, Olga Harea | | |
| <i>Semester</i> | Fall | <i>Contact hours/week</i> | 2 |
| <i>Level</i> | undergraduate/graduate | <i>ECTS Credit</i> | 4 |
| <i>Teaching and Learning Methods:</i> | Lectures and site visits | | |
| <i>Costs</i> | | | |
| <i>Reading:</i> | | | |
| <i>Assessment:</i> | <p>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.</p> | | |

| Title | Creekside Landscapes | | |
|---------------------------------------|---|---------------------------|---|
| <i>Code</i> | STKTV3CLERASM | | |
| <i>Prerequisites</i> | - | | |
| <i>Description</i> | 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. | | |
| <i>Lecturer</i> | Ildikó Réka NAGY | | |
| <i>Semester</i> | Spring | <i>Contact hours/week</i> | 2 |
| <i>Level</i> | undergraduate/graduate | <i>ECTS Credit</i> | 4 |
| <i>Teaching and Learning Methods:</i> | Seminars and Practical field work | | |
| <i>Costs</i> | - | | |
| <i>Reading:</i> | - | | |
| <i>Assessment:</i> | Survey and presentation completed during the course | | |

| Title | Environmental Project Management | | |
|---------------------------------------|---|---------------------------|---|
| <i>Code</i> | 6TVEPMERASM | | |
| <i>Prerequisites</i> | Basics of landscape / urban planning | | |
| <i>Description</i> | <p>The main aim of the module is to prepare students for development and management of environmental projects.</p> <p>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.</p> | | |
| <i>Lecturer</i> | Hajnalka SCHMIDT | | |
| <i>Semester</i> | Fall/spring | <i>Contact hours/week</i> | 2 |
| <i>Level</i> | undergraduate/graduate | <i>ECTS Credit</i> | 4 |
| <i>Teaching and Learning Methods:</i> | Beyond the 90-minutes weekly seminars, students are required to study, plan and present some environmental projects and participate in management skill workshops. | | |
| <i>Costs</i> | <ul style="list-style-type: none"> • Travel • Printing • Other | | |
| <i>Reading:</i> | | | |
| <i>Assessment:</i> | <ul style="list-style-type: none"> • Presentation 100% | | |

| Foundations of Technical Drawing using AutoCAD | | | |
|--|--|---------------------------|---|
| <i>Title</i> | Foundations of Technical Drawing using AutoCAD | | |
| <i>Code</i> | 6TKTYFTDCADCXN | | |
| <i>Prerequisite</i> | Basic IT skills | | |
| <i>Description</i> | 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 | | |
| <i>Lecturer</i> | Dr. Anna CZINKÓCZKY | | |
| <i>Semester</i> | Fall/spring | <i>Contact hours/week</i> | 2 |
| <i>Level</i> | Undergraduate/graduate | <i>ECTS credit</i> | 4 |
| <i>Teaching and Learning Methods</i> | Practice based computer lab seminars | | |
| <i>Costs</i> | – | | |
| <i>Reading</i> | <p>Required Textbook: Engineering Graphics with AutoCAD 2011, by James Bethune; Prentice Hall Publishing.</p> <p>Optional Reference Textbook: AutoCAD and its Applications 2010 by Shumaker or any AutoCAD textbook.</p> | | |
| <i>Assessment</i> | <ul style="list-style-type: none"> • 10% in class participation • 40% Midterm • 50% Final | | |

| Title | Google Earth Landscapes | | |
|---------------------------------------|---|---------------------------|---|
| <i>Code</i> | 6TF63PAPCXN | | |
| <i>Prerequisites</i> | None | | |
| <i>Description</i> | 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. | | |
| <i>Lecturer</i> | Sándor JOMBACH | | |
| <i>Semester</i> | Fall | <i>Contact hours/week</i> | 2 |
| <i>Level</i> | Undergraduate/graduate | <i>ECTS Credit</i> | 4 |
| <i>Teaching and Learning Methods:</i> | 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. | | |
| <i>Costs</i> | – | | |
| <i>Reading:</i> | MercyCorps: A Rough Google Earth Guide Google Earth Basics - Earthguide | | |
| <i>Assessment:</i> | <ul style="list-style-type: none"> • Presentation (40%) • Prepared assignment (40%) • Common field work (20%) | | |

| Title | History of Hungarian Architecture | | |
|--------------------------------|--|--------------------|---|
| Code | 6TKHHAERASM | | |
| Prerequisites | None | | |
| Description | <p>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.</p> | | |
| Lecturer | Mariann SIMON | | |
| Semester | Fall | Contact hours/week | 2 |
| Level | undergraduate/graduate | ECTS Credit | 4 |
| Teaching and Learning Methods: | <p>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.</p> | | |
| Costs | <ul style="list-style-type: none"> • Printing: cca. HUF 600 | | |
| Reading: | <ul style="list-style-type: none"> • Lecturer's handouts • <i>The Architecture of Historic Hungary</i>, eds: Dora Wiebenson, József Sisa, MIT Press 1998. Last two chapters • <i>Budapest Architectural Guide: 20th Century</i>, eds: Lőrincz Zsuzsa, Vargha Mihály, 6BT, 1997 • Rudolf Klein, Éva Lampel, Miklós Lampel: <i>Contemporary Architecture in Hungary</i>, Vertigo, Budapest 2002 | | |
| Assessment: | <ul style="list-style-type: none"> • 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: | <p><i>META Informatics: Vegetation Heritage of Hungary. Distribution maps of habitat type.</i> (http://www.novenyzetiterkep.hu)</p> <p>Bölöni, J., Molnár, Zs., Illyés, E. and Kun, A. (2007): A new habitat classification and manual for standardized habitat mapping. — <i>Ann. di Bot. n. ser. 7</i>: 55–76.</p> <p>Molnár, Zs., Biró, M., Bölöni, J. and Horváth, F. (2008): Distribution of the (semi-)natural habitats in Hungary I. Marshes and grasslands. — <i>Acta Bot. Hung. 50 (Suppl.)</i>: 59–105.</p> <p>Bölöni, J., Molnár, Zs., Biró, M. and Horváth, F. (2008): Distribution of the (semi-)natural habitats in Hungary II. Woodlands and shrublands. — <i>Acta Bot. Hung. 50 (Suppl.)</i>: 107–148. Illyés E. & Bölöni J. (eds.) (2007): <i>Slope steppes, loess steppes and forest steppe meadows in Hungary. Magánkiadás. Budapest</i></p> | | |
| 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 | <ul style="list-style-type: none"> • Travel (outdoor workshop): max. HUF 2000 • Variable costs of model preparation (depending on the techniques and materials chosen) | | |
| Reading | <ul style="list-style-type: none"> • <i>Boettger, S. 2004: Earthworks: Art and the Landscape of the Sixties. University of California Press</i> • <i>Lailach, M. 2007: Land Art. Taschen</i> • <i>Weilacher, U. 1999: Between Landscape Architecture and Land Art. Birkhäuser, Basel-Berlin-Boston</i> | | |
| Assessment | <ul style="list-style-type: none"> • Project design • In-class participation | 75% | 25% |

| Title | Landscape and Democracy | | |
|---------------------------------------|--------------------------------|---------------------------|---|
| <i>Code</i> | 6KMLDCXN | | |
| <i>Prerequisites</i> | - | | |
| <i>Description</i> | online seminar | | |
| <i>Lecturer</i> | | | |
| <i>Semester</i> | Spring | <i>Contact hours/week</i> | 2 |
| <i>Level</i> | | <i>ECTS Credit</i> | 4 |
| <i>Teaching and Learning Methods:</i> | | | |
| <i>Costs</i> | - | | |
| <i>Reading:</i> | | | |
| <i>Assessment:</i> | | | |

Information and description will be available soon.

| Title | Landscape Character Studies | | |
|--------------------------------|--|--------------------|-----|
| Code | 6TKTVLCSCXN | | |
| Prerequisites | Basics of landscape planning | | |
| Description | <p>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.</p> <p>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.</p> | | |
| 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 | <ul style="list-style-type: none"> • Printing: cca. HUF 600 | | |
| Reading: | <ul style="list-style-type: none"> • <i>Swanwick, C. 2002: Landscape Character Assessment. Guidance for England and Scotland. The Countryside Agency and Scottish Natural Heritage</i> • <i>The Landscape Institute - IEMA 2013: Guidelines for Landscape & Visual Impact Assessment. Routledge</i> | | |
| Assessment: | <ul style="list-style-type: none"> • Impact Study & Presentation • Minor presentation | 75% | 25% |

| Title | | Landscape Identity - Landscape Design | |
|-------------------------------|---|---------------------------------------|---|
| Code | 6TKKPLILD CXN | | |
| 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 Transylvania). These practical parts will involve individual and team analysis and design work in design projects worked out at different levels of detail. | | |
| Costs | <ul style="list-style-type: none"> Travel: cca. EUR 150 | | |
| Reading | <p>Jellicoe, G A Studies in Landscape Design Vol II Oxford University Press, 1966</p> <p>Jacques, D and van der Hurst, The Gardens of William and Mary Helm, London, 1988</p> <p>Jacques, D Georgian Gardens: The Reign of Nature Batsford, London 1983</p> <p>Elliott, B Victorian Gardens Batsford, London 1986</p> <p>Keswick, M The Chinese Garden: history, art and architecture London, Academy 1978</p> <p>Laird, Mark Flowering of the Landscape Garden: English Pleasure Grounds 1720-1800 University of Pennsylvania Press, 1999</p> <p>McLean Theresa Medieval English Gardens Guernsey Press [1981] 1989</p> <p>Strong, Roy The Renaissance Garden in England 1979</p> <p>Hunt, J D [Ed] The Italian Garden: Art, Design and Culture Cambridge University Press, 1996</p> <p>Brown, J Gardens of a Golden Afternoon Lane, 1985</p> <p>Shepherd, P Modern Gardens Architectural Press, 1953</p> <p>Steenbergen, C & Reh, W Architecture and Landscape: The Design Experiment of the Great European Gardens and Landscapes Prestel, Munich 1996</p> <p>Fekete A. Transylvanian garden history, Múvelődés, Cluj, 2007.</p> | | |
| Assessment | <p>Formative assessment will take place upon the presentation, consisting of a periodic review of student progress. (35%)</p> <p>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%)</p> | | |

| Title | Landscape Planning and EU Membership | | |
|--------------------------------------|---|---------------------------|---|
| <i>Code</i> | STKTF342CXN | | |
| <i>Prerequisites</i> | None | | |
| <i>Description</i> | 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. | | |
| <i>Lecturer</i> | Krisztina FILEPNÉ KOVÁCS | | |
| <i>Semester</i> | Fall/Spring | <i>Contact hours/week</i> | 2 |
| <i>Level</i> | Undergraduate/graduate | <i>ECTS Credit</i> | 4 |
| <i>Teaching and Learning Methods</i> | Lectures, discussions, self-reading, student presentations. | | |
| <i>Costs</i> | – | | |
| <i>Reading</i> | EU Compendium of spatial policy http://www.espace-project.org/publications/EUcompendium.pdf OECD Proceedings: Towards a new road of spatial planning | | |
| <i>Assessment</i> | <ul style="list-style-type: none"> • Course work 20% • Presentation 30% • Final essay 50% | | |

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

| Title | Management of Lakes | | |
|--------------------------------------|--|---------------------------|---|
| <i>Code</i> | 6TV62LPCXN | | |
| <i>Prerequisites</i> | None | | |
| <i>Description</i> | 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. | | |
| <i>Lecturer</i> | Zsombor BOROMISZA | | |
| <i>Semester</i> | Fall/spring | <i>Contact hours/week</i> | 2 |
| <i>Level</i> | Undergraduate/graduate | <i>ECTS Credit</i> | 4 |
| <i>Teaching and Learning Methods</i> | Lectures, seminars, site visits. | | |
| <i>Costs</i> | <ul style="list-style-type: none"> • Travel: HUF 1700 | | |
| <i>Reading</i> | 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. | | |
| <i>Assessment</i> | <ul style="list-style-type: none"> • Oral presentation (50%) • Lake assessment project (poster) (50%) | | |

| Title | | Marketing Based Urban Planning and Development | |
|--------------------------------------|--|---|---|
| <i>Code</i> | 6TVMUPDERASM | | |
| <i>Prerequisites</i> | None | | |
| <i>Description</i> | <p>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.</p> <p>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.</p> <p>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.</p> | | |
| <i>Lecturer</i> | Richárd ONGJERTH | | |
| <i>Semester</i> | Fall | <i>Contact hours/week</i> | 2 |
| <i>Level</i> | Undergraduate | <i>ECTS Credit</i> | 4 |
| <i>Teaching and Learning Methods</i> | <p>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.</p> <p>In the next three hours will be site visits in two hours in different development or regeneration areas of Budapest.</p> <p>The last hours will serve the cca 15' long presentation of the students and their common evaluation.</p> | | |
| <i>Costs</i> | | | |
| <i>Reading</i> | Lecturer's handouts | | |
| <i>Assessment</i> | <ul style="list-style-type: none"> • 30% In class participation • 70% Project & presentation | | |

| Title | | Modelling with SketchUp in Landscape Architecture | |
|--------------------------------------|--|--|---|
| <i>Code</i> | 6TF63MSUCXN | | |
| <i>Prerequisites</i> | Basics in CAD/GIS are useful, but it's not compulsory | | |
| <i>Description</i> | <p>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.</p> <p>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.</p> | | |
| <i>Lecturer</i> | József László MOLNÁR | | |
| <i>Semester</i> | Fall/spring | <i>Contact hours/week</i> | 2 |
| <i>Level</i> | Undergraduate | <i>ECTS Credit</i> | 4 |
| <i>Teaching and Learning Methods</i> | <p><i>Computer laboratory training with Trimble SketchUp 8 software. Daily tasks (theoretical background, practical advice), homeworks to solve the students work individually.</i></p> | | |
| <i>Reading</i> | Trimble SketchUp Help;, Google SketchUp and SketchUp Pro 7 Bible | | |
| <i>Assessment</i> | <p>Based on students' individual work submitted (digital models) and their weekly activity. Final work.</p> <ul style="list-style-type: none"> • 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 | <p>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.</p> <p>The course is divided into two main sections, a theoretical part and project work.</p> <p>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.</p> <p>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.</p> | | |
| Lecturer | Eszter BAKAY | | |
| Semester | Fall/spring | <i>Contact hours/week</i> | 2 |
| Level | graduate | <i>ECTS Credit</i> | 4 |
| <i>Teaching and Learning Methods:</i> | <p>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.</p> | | |
| Costs | – | | |
| <i>Reading:</i> | <ul style="list-style-type: none"> • <i>J. Ormsbee Simonds, Barry W. Starke: "Landscape Architecture" 4th Edition, Mc Grow-Hill, 2006 edition</i> • <i>www.landezine.com</i> | | |
| <i>Assessment:</i> | <ul style="list-style-type: none"> • 40 % Project 1 • 50 % Project 2 • 10% presentation of favourite park | | |

| 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 | <ul style="list-style-type: none"> • Travel: cca. HUF 2000 | | |
| Reading: | <ul style="list-style-type: none"> • Krüssmann, G. (1985): <i>Manual of Cultivated Conifers</i>. Timber Press, Portland, Or., USA • Krüssmann, G. (1989): <i>Manual of Cultivated Broad-leaved Trees and Shrubs</i>. Timber Press, Portland, Or., USA • Krüssmann, G. (1990): <i>Manual of Woody Landscape Plants</i>. Stipes Publ. Company, Champaign, Illinois, USA • Rehder, A. (1985): <i>Manual of Cultivated Trees and Shrubs Hardy in North America</i>. Dioscorides Press, Portland, Or., USA • DEBRECZY, Zs., RÁCZ, I. (2011): <i>Conifers Around the World</i>, DendroPress Ltd, Budapest | | |
| Assessment: | <ul style="list-style-type: none"> • Plant identification exams 20% • Presentation 30% • Final written exam 50% | | |

| Title | | Special Dendrology 2 | |
|---------------------------------------|---|-----------------------------|------|
| <i>Code</i> | 6KPSD2ERASM | | |
| <i>Prerequisites</i> | Basic botanical and dendrological knowledge | | |
| <i>Description</i> | <p>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.</p> | | |
| <i>Lecturer</i> | Krisztina SZABÓ | | |
| <i>Semester</i> | Spring | <i>Contact hours/week</i> | 40/1 |
| <i>Level</i> | Undergraduate/graduate | <i>ECTS Credit</i> | 4 |
| <i>Teaching and Learning Methods:</i> | Indoor and outdoor classes and three trips. Students' knowledge of plant materials will be enriched by plant identification walks and plant identification exams. | | |
| <i>Reading:</i> | <p>KRÜSSMANN, G. (1985): Manual of Cultivated Conifers. Timber Press, Portland, Or., USA</p> <p>KRÜSSMANN, G. (1989): Manual of Cultivated Broad-leaved Trees and Shrubs. Timber Press, Portland, Or., USA</p> <p>KRÜSSMANN, G. (1990): Manual of Woody Landscape Plants. Stipes Publ. Company, Champaign, Illinois, USA</p> <p>REHDER, A. (1985): Manual of Cultivated Trees and Shrubs Hardy in North America. Dioscorides Press, Portland, Or., USA</p> <p>DEBRECZY, Zs., RÁCZ, I. (2011): Conifers Around the World, DendroPress Ltd, Budapest</p> | | |
| <i>Assessment:</i> | practical mark | | |
| | • Presentation | | 100% |

| Title | | Sustainable Landscapes | |
|--------------------------------|---|------------------------|---|
| Code | 6TFSULAERASM | | |
| Prerequisites | Basics of Landscape / Urban Planning | | |
| Description | <p>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.</p> <p>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.</p> | | |
| 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: | <ul style="list-style-type: none"> — 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: | <ul style="list-style-type: none"> • Test 100% | | |