



MEDUNARODNA RADIONICA STUDENATA KRAJOBRAZNE ARHITEKTURE
INTERNATIONAL LANDSCAPE ARCHITECTURE STUDENT WORKSHOP

Design & Build Zagreb 2015

22. lipnja - 22. srpnja 2015. / June 22nd - July 22nd 2015



Sveučilište u Zagrebu
Agronomski fakultet
Studij krajobrazna arhitektura

University of Zagreb
Faculty of Agriculture
School of Landscape Architecture



Zagreb - Hrvatska / Croatia 2016.





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Zagreb, Hrvatska



University of Washington
College of Built Environment
Department of Landscape Architecture
Seattle, USA

University of Ljubljana



Univerza v Ljubljani
Biotehniška fakulteta
Študij Krajinska arhitektura
Ljubljana, Slovenija

DESIGN&BUILD – ZAGREB 2015

... kraj ili pravi početak jedne vrijedne međunarodne suradnje

In medias res

Kome je adresiran ovaj tekst? Da li je to samo rezime ili apel? Koji mogu biti njegovi dometi?

Kad se prisjetimo prvih razgovora nas, zagrebačkih nastavnika s profesorom Danielom Winterbottomom, prije četiri godine, nakon njegovog inspirativnog jednosatnog predavanja o Design&Build modelu poučavanja održanog na studiju Krajobrazna arhitektura u Zagrebu, kad se osvrnemo na tok jedne, još uvijek zapravo neformalno uspostavljene suradnje i kad pogledamo i analiziramo rezultate zadnje (možda i posljednje) radionice, održane na maksimirskom kampusu našeg, Agronomskog fakulteta, emocije koje se rađaju su sve prije nego li jednoznačne i lako opisive.

Objektivno gledajući, do te vrijedne i po svemu posebne suradnje zapravo i nije trebalo doći. Ona je jednostavno plod entuzijazma i tvrdoglavosti, osobnih, privatnih, institucijskom oku slabo vidljivih, a institucijskom metru nevidljivih angažmana, u slobodno vrijeme, bez unaprijed osiguranih resursa. „Maštovita improvizacija“, i to često u zadnji čas, bila je *modus operandi*, često uz samo nominalnu podršku i uglavnom nedostatnu materijalnu potporu matičnih institucija.

Zato smatramo da je važno i nužno neke bitne činjenice staviti na papir i, zahvaljujući našem donatoru – Zagrebačkoj pivovari / Ožujsko pivo, koji je ovu brošuru učinio mogućom, podijeliti ih u prvom redu sa svim hrvatskim i američkim, a u zadnjoj radionici i slovenskim studentima, koji su u tim suradnjama sudjelovali, sa kolegama sa naših američkih, hrvatskih i slovenskih Studija, Fakulteta i Sveučilišta, s našim partnerima iz Psihijatrijske bolnice Rab, s našim novim partnerima i našim donatorima koji su s jednakim entuzijazmom zaronili s nama u avanturu s teško predvidim rezultatom... A rezultat je, po svemu sudeći, sjajan!

Perspektiva daljnjeg razvoja ove suradnje i eventualnog uključenja ovog novog inovativnog modela nastave (na adekvatan formalni način) u *curriculum*, za razliku od rezultata, potpuno je nejasna.

Kako uspostaviti novi tip nastave, baziran na internacionalnom sudjelovanju, na engleskom jeziku, okrenut stvarnim problemima zajednice, bez unaprijed poznatih izvora financiranja i bez dostatnih organizacionih i ljudskih resursa?

Pitanje za milijun dolara! Iako bi za tu vrijednu inovaciju bio dostatan i skroman postotak tog iznosa.

U nadi da bi nam baš Vi, dragi čitaocē, mogli pomoći naći odgovor, pozivamo Vas da kroz slijedeće stranice pratite našu avanturu!

Srdačno Vaši,

prof.art. Stanko Stergaršek, d.i.a.
doc.dr.sc. Iva Rechner Dika

STUDIJ KRAJOBRAZNA ARHITEKTURA – Zagreb
Agronomski fakultet Sveučilišta u Zagrebu

DESIGN&BUILD – ZAGREB 2015

... the end or the true beginning of worthwhile international collaboration

In medias res

To whom is this text addressed? Is it a summary or an appeal? What is its reach?

When we recall our first conversations with professor Daniel Winterbottom 4 years ago, after his inspirational one-hour lecture about the Design&Build teaching model that was held at the School of Landscape Architecture in Zagreb, and when we look at the process of this collaboration, though it is still informal, and when we look at and analyze the results of the most recent (maybe the last) workshop, which was held at the Maksimir campus of our Faculty of Agriculture, the emotions that well up within us are anything but simple and easy to describe.

Looking at it objectively, this valuable and in every way special collaboration should not have happened at all. It is purely the fruit of enthusiasm and stubbornness, individual and personal, that this barely visible to the institutional eye, and by institutional measures invisible, engagement took place, in our spare time and without secured resources. A creative improvisation, often at the last moment, was our *modus operandi*, often with just nominal support and without sufficient material backing from the parent institutions.

Therefore we deem it important and necessary to put some important facts on paper and, thanks to our donor – The Zagreb Brewery / Ožujsko pivo, who have made this brochure possible, share these facts primarily with all the Croatian and American, and in this most recent workshop even Slovenian, students who participated in these collaborations, with the colleagues from our American, Croatian and Slovenian schools, faculties and universities, with our partners from the Psychiatric Hospital Rab, with our new partners and with our donors that dove with us with equal enthusiasm into this adventure with unpredictable results... And the results are, judging by all measures, amazing!

The prospect of developing this collaboration and including this new and innovative learning / teaching model (in an adequately formal way) in the *curriculum*, unlike these results, is completely unclear.

How could we establish a new type of class, based on international participation, conducted in English, aimed at real community problems, without a known source of financing and without sufficient organizational and human resources?

That is the million dollar question! Even though a small percentage of that sum would be more than sufficient for this valuable innovation.

In the hopes that you, dear reader, can help us find our answer, we invite you to peruse the following pages to follow us through our adventure!

Sincerely,

Stanko Stergaršek, architect, associate professor
Iva Rechner Dika, PhD, assistant professor

SCHOOL OF LANDSCAPE ARCHITECTURE – Zagreb
Faculty of Agriculture University of Zagreb

D. Wintrebottom, S. Stergaršek, I. Rechner Dika

Integriranje teoretskog i praktičnog znanja

Svjesnost o potrebi za integriranjem teoretskog i praktičnog znanja nije novost. Spominje ju već Vitruvije u svojem djelu Deset knjiga o arhitekturi u 1. st. pr.n.e., gdje ističe i veliku važnost multidisciplinarnu edukacije. Isto tako, sve do danas, niz europskih i američkih autora, znanstvenika i djelatnih stručnjaka, piše na tu temu ili primjenjuje inovativne edukativne koncepte (prisjetimo se samo Bauhauza ili F. L. Wrightova Taliesina i Taliesin Westa ili pak edukativnih postavki V. Papaneka).

Danas su, kroz sve veću dominaciju digitalnih medija, studenti još manje izloženi izravnom doticaju s cjelovitošću konkretne izvedbe. Mnogi teoretičari tako napominju da će budući stručnjaci morati razmišljati izvan kutije kako bi se suočili sa složenim i višestruko povezanim problemima novog tisućljeća te da se, posljedično, mora mijenjati i edukacija kako bi im bila temelj za takva promišljanja (Boyer 1990., Carpenter 1997., Thompson 1996., Bennet 1998., Paterson i Quayle 1989).

Suvremena istraživanja edukacije provedena među mladima (Oblinger and Oblinger, 2005) potvrđuju glad studenata za novim pristupom kroz krilaticu: iskustveno učenje; učenje kroz rad; otkrivanje kroz istraživanje; participativno učenje; učenje u prvom licu; praktično, eksperimentalno i interaktivno; učenje metodom pokušaja i pogreške sa široko postavljenim granicama...

Iako je temeljen na raznolikim ranijim iskustvima, Design&Build koncept učenja i poučavanja kakav je izvođen na zagrebačkoj i ranijim rapskim radionicama, ipak je po mnogim elementima jedinstven i neuobičajen model, relativno nov i za europsku i za američku tradiciju akademskih programa.

Iskustveno učenje kroz timski rad

Design&Build program je inovativni koncept učenja koji studente vodi na jedinstven i vrlo komprimiran način kroz cijeli proces koji prolazi svaki krajobrazni arhitekt, arhitekt ili dizajner u stvarnoj praksi, i to nerijetko istovremeno kroz sva tri srodna i specifična područja.

Od propitivanja stvarnih potreba i problema, formiranja projektnog zadatka, cjelokupne prostorne i druge analitike, preko kompetitivne faze idejnog projekta u kojoj se heterogeno formirane grupe studenata natječu svaka sa svojim rješenjem; preko bolnog iskustva da samo jedno rješenje može biti pobjedničko (iako se uvijek nastoji i u drugim rješenjima pronaći kvalitetne elemente pogodne za implementaciju u odabrano rješenje), preko iskustva zajedničke razrade sada zajedničkog projekta do faze izvedbenog projekta (uključivo razradu detalja i kvantificiranje svih materijala koje je potrebno nabaviti), do potpuno novog iskustva cjelokupne izvedbe kroz koju se propituju, i po potrebi modificiraju, svi dotad samo papirnati detalji, pa sve do osjećaja zadovoljstva i ponosa ostvarenim, stvarno izvedenim djelom.

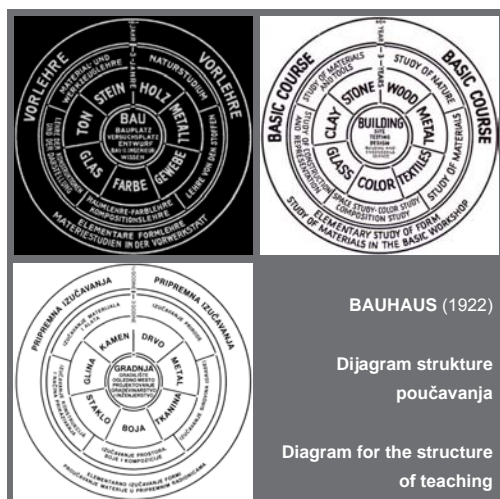
The Integration of Theoretical and Practical Knowledge

The awareness of the need to integrate theoretical and practical knowledge is nothing new. Vitruvius had mentioned this awareness in his work Ten Books On Architecture as early as the 1st century BC and highlighted the importance of multidisciplinary education.

Also, until nowadays, a number of European and American authors, scholars and working professionals have written about this topic or have applied these innovative educational concepts (e.g. Bauhaus or F.L. Wright's Taliesin and Taliesin West, or educational principles by V. Papanek).

These days, with the prevalence of digital media, students have even less exposure to the hands-on process of making. Many scholars have suggested that future professionals will need to think "outside the box" in order to address the complex and inter-related issues of the new millennium.

Education must change and adapt to provide a new foundation. (Boyer, 1990; Carpenter, 1997; Thompson, 1996; Bennet, 1998; Paterson and Quayle, 1989)



Contemporary research on education conducted among young people (Oblinger and Oblinger, 2005) confirms that students are requesting innovative learning models described as experiential learning, learning by doing, or discovery through exploration. Students are seeking participatory or hands-on interactive learning models through which they can explore and test their thinking through trial-and-error assignments with broad guidelines.

Despite the fact that the Design&Build concept is based on all of these earlier developed experiences, the way it was implemented in Zagreb or on Rab, in many elements, is a unique and uncommon teaching/learning model that is relatively new to both European and US academic programs.

Experience-based Learning Through Teamwork

The Design&Build program is an innovative learning model that leads students in a unique and highly compressed manner through the whole process that every landscape architect, architect or designer experiences in practice, often simultaneously through all three related and specific fields.

From questioning the real needs and problems, to forming the project task, to the complete spatial and other analyses, through the competitive phase of the concept design in which the heterogeneously formed groups of students compete among each other with their designs, through the painful experience that only one design can be the winning one (although every effort is always made to find quality elements in other designs that are suitable for the implementation in the selected design), through the experiences of joint elaboration of the new integrated project, to the phase of construction project (including the elaboration of the details and quantification of all materials that need to be purchased), to the totally new experience of a making completed construction throughout which, up until then, „paper“ details are examined and if necessary modified, to the feeling of satisfaction and pride that comes with the achieved, actually built work.

I sve to u striktno ograničenom vremenu te najčešće s vrlo ograničenim resursima, kako u pogledu raspoloživih materijala, alata i tehnologija, tako i raspoloživog proračuna.

Ovo novo iskustvo, prema iskazima samih studenata, na trenutke može biti bolno, frustrirajuće, pa i zastrašujuće, jer ih stavlja u položaj da svakodnevno moraju artikulirati argumentirati vlastite stavove i u svim ih fazama procesa usklađivati s ponekad suprotstavljenim stavovima ostalih u timu; da u određenim trenucima zbog funkcioniranja tima moraju žrtvovati vlastiti ego, da u procesu preuzimaju različite uloge, bilo vodeće bilo prateće te da u odsudnim trenucima donose konačne odluke podnoseći njihove posljedice.

Kroz studio, studenti se navikavaju na alate i postupke vezane uz izgradnju i pritom raste njihovo samopouzdanje i prije nego li se upute u praksu. U tom su procesu pogreške dopuštene, čak ih se ponekad i potiče kako bi se studenti oslobodili predrasuda. Kao što je Christopher Alexander napisao: *“Postoji samo obična i jednostavna činjenica nužnosti stjecanja znanja iz prve ruke kod izgradnje i stvaranja. Dizajner mora biti u mogućnosti shvatiti da je sâm proces, a ne dizajn, ključan, i da ljepota i funkcionalni sklad proizlaze iz ovih koraka.”*

Ipak, na kraju procesa, usporedba utisaka hrvatskih i američkih studenata, prikupljenih u brošuri koja je izdana nakon prvog zajedničkog sudjelovanja (Design&Build – Rab 2013), ne ukazuje na bilo kakve razlike u percepciji edukativnog procesa.

Uz sve racionalne napore, iskazi su prvenstveno emocionalno nabijeni: *“ljepota timskog rada”, “osobno transformativno i obogaćujuće”, “iskustvo koje otvara oči”, “veliko zadovoljstvo i čast”, “neprocjenjivo iskustvo”* itd. Svi na važno mjesto, gotovo bez iznimke, stavljaju i socijalnu komponentu zajedničkog života i druženja – prijateljstva koja ostaju zauvijek.

Model, uz usavršavanje znanja i vještina stečenih tijekom redovitog (konvencionalnog) studija, pruža mogućnost stjecanja specifičnog iskustva profesionalnog rada, čime se razvija samouvjerenost studenata i omogućuje im se jednostavnija tranzicija od studenta do praktičara.

Zbog karaktera procesa bilo bi važno da svaki student sudjeluje u svim fazama pripreme, projektiranja i izvedbe.

Ovaj proces je i za uključene mentore izazovan jer zahtijeva njihov cjelodnevni angažman, zahtijeva spremnost za rješavanje konfliktnih situacija i, s obzirom na objektivna ograničenja, zahtijeva suvereno vođenje procesa, po mogućnosti iz pozadine i bez nametanja krajnjih (ili jednostavnijih) rješenja. Uključenje više mentora cijeli proces obogaćuje, ali istovremeno ga čini kompleksnijim, jer i ovdje su suradnički izazovi slični onim studentskim. U pojedinim slučajevima, kad to zahtijevaju sigurnost ili propisi, pred mentorima je i zadatak angažiranja specifičnog stručnjaka i / ili zadatak izrade odgovarajućeg projekta i ishođenja potrebnih dozvola.

Doprinos zajednici

Svaki zadatak postavljen na Design&Build programu je uvijek adresiran na neki stvarni prostorni problem i vezan je uz specifične potrebe neke određene lokalne zajednice, najčešće marginaliziranih skupina, i u tom smislu je *“uvijek društveno relevantan i ‘stvaran’”* (Papanek 1972). U mnogim akademskim programima javnih sveučilišta (u SAD), obnovljen je interes da se kroz tzv. service-learning, angažman u funkciji javnog interesa, na izravan način zajednici oduži za pruženo obrazovanje na sveučilištu.

And all this being done in a strictly limited period of time and usually with very limited resources, in light of the available materials, tools and technologies as well as the available budget.

This new experience, according to the student statements, can be painful, frustrating and even scary at some moments, because it puts them in a position that they have to articulate their argumentation on a daily basis and coordinate it with the sometimes very opposing points of view of the other people in the team. They have to sacrifice their egos in certain moments, accept different roles in the process, either leading ones or supporting ones, and in crucial moments, they have to make a final decision and deal with the consequences.

Through the studio, students become comfortable with the tools and the construction procedures. In the process they build self-confidence before venturing into the field. In the process of craft-making, mistakes are allowed and even encouraged to help students break away from preconceptions. As Christopher Alexander has noted, *“there is just the plain and simple fact of the necessity for having first-hand acquaintance with building and making things. The designer must be able to recognize that process, not the design, as the crux, and that the beauty and functional harmony comes from these steps.”*

Still, at the end of this process, the comparison of the impressions of Croatian and American students, compiled in the brochure published after the first joint participation

(Design&Build – Rab 2013), indicate that there were few perceptual differences when students evaluated the educational process and outcomes.

Besides all the rational efforts, testimonies are in the first place emotionally charged: *“the beauty of teamwork”, it was “personally transformative and enriching”, “an eye opening experience”, “great pleasure and honor” and “priceless experience”*. Without exception students valued the social component and the friendships they forged.

In this model we hone

their skills developed throughout the curriculum and provide, in a very specific manner, real work experience that strengthens students' confidence and makes the transition from student to practitioner more fluid.

Due to the process' nature, it is important that each student participates in all phases of preparation, design and construction.

This process is also very challenging for the mentors included in it because it requires their full-time engagement, it requires a willingness to resolve conflict situations and, considering the objective limitations, it requires a sovereign control of the process, preferably from the background and without imposing final (or simpler) solutions. Involving more mentors enriches the whole process, but also makes it more complex, because there are co-operative challenges similar to the ones faced by the students. In some cases mentors have to deal with the task of hiring a specific expert and/or the task of preparing a proper project and obtaining the necessary permits, when required by security issues or regulations.

Service Learning

Each task of the Design&Build program is always addressed to a real space problem and is related to specific



U svojoj biti, zapravo, volonterski rad studentata na Design&Build programu jača njihovu svijest o potrebi i korisnosti takvog angažmana, a susret s drugima i drugačijima, ponekad i marginaliziranim ili čak stigmatiziranim, pridonosi empatiji i svijesti o njihovom postojanju, njihovom neodgovarajućem socijalnom statusu i njihovim specifičnim potrebama.

Ovakav rad pruža kvalitetnu uslugu zajednici, uz minimalnu cijenu.

Američki *The National and Community Service Trust Act* iz 1993. definira učenje u svrhu doprinosa zajednici kao "metodu unutar koje se studenti uče i razvijaju kroz aktivno sudjelovanje u jasno organiziranom radu koji se provodi kako bi se zadovoljile potrebe zajednice, te da integracija takve metode pojačava akademski kurikulum studenata" (Forsyth, Lu and McGirr 1999).

Multikulturalna razmjena znanja

Bitan začim Design&Build koncepta čini multikulturalnost. Tako se američki dio tima, već sam po sebi multikulturalan (SAD, Kina, Japan, Rusija itd.), susreće, u glavnini, s nepoznatim europskim i lokalnim okruženjem i kulturom, a pred hrvatskim (i slovenskim) dijelom tima je također izazov stjecanja novih iskustava interkulturalnog komuniciranja, i to na engleskom jeziku te, što je sigurno profesionalno još važnije, živim crtežom.

Upoznavanje sa specifičnim vještinama lokalne kulture (npr. gradnja suhozida) jednako je edukativna i izazovna za sve studente i nastavnike.

Različita prethodna životna, profesionalna i iskustva s edukacijom, kako kod studenata, tako i kod mentora, bitan su faktor u obogaćivanju i razmjeni znanja.

needs of a particular local community, usually marginalized groups and in this sense is "always socially relevant and real" (Papanek, 1972).

In many academic programs in public universities, there is a renewed interest in service learning as a means of giving back to the local communities the resources and expertise the colleges aim to foster.

In essence, what is actually volunteer work for the students during the Design&Build program strengthens their awareness of the need for and usefulness of such an engagement, as well as meeting others who are different, sometimes marginalized or even stigmatized, contributes to the empathy and awareness of their existence, their inadequate social status and their specific needs.

This work provides to the community a quality service at minimum cost.

The National and Community Service Trust Act of 1993 defines service learning as a "method under which students learn and develop through active participation in thoughtfully organized service that is conducted in and meets the needs of a community, and is integrated into and enhances the academic curriculum of the students." (Forsyth, Lu and McGirr, 1999).

Multicultural Knowledge Exchange

An important „spice“ of the Design&Build concept is multiculturalism.

That is how the American part of the team, multicultural *per se* (USA, China, Japan, Russia etc.), meets with, to a majority, an unknown European and local environment and culture, and facing the Croatian (and Slovenian) part of the team is also the challenge of acquiring new experiences of intercultural communication in English, and which is certainly professionally more important, by live drawing.

Familiarizing themselves with the specific skills of the local culture (e.g. dry stone-wall construction) is equally educational and challenging for all the students and teachers. Various prior life and professional experiences, as well as educational, for students and teachers alike, significantly enrich the knowledge exchange.



RAB2013
Gradnja suhozida / Dry Wall building



6

RAB 2012
Terapijski vrt 1 / Therapeutic garden 1



RAB 2013
Terapijski vrt 2 / Therapeutic garden 2



RAB 2014
Terapijski vrt 3 / Therapeutic garden 3





POČETAK SURADNJE

THE START OF A COLLABORATION

7

RAB – OTKRIVANJE POTENCIJALA

Međunarodna ljetna radionica studenata krajobrazne arhitekture Design&Build – ZAGREB 2015, nastavak je ranije uspostavljene suradnje s prof. Danielom Winterbottomom, University of Washington, College of Built Environments, School of Landscape Architecture, Seattle, SAD.

On u sklopu redovite nastave na studiju od 1995. godine vodi Design&Build program, a radionice izvodi diljem SAD-a, ali i izvan granica (*Study Abroad*) – u Meksiku, Japanu, Gvatemali, Bosni i Hercegovini te u Hrvatskoj.

Među studentima su, nerijetko, i studenti s drugih srodnih studija, s drugih američkih sveučilišta, ali i studenti iz inozemstva.

Design&Build – RAB 2012

1. listopada - 1. prosinca 2012.

U jesen 2012. godine je posredstvom krajobraznog arhitekta Luke Jelušića, bivšeg studenta zagrebačkog studija KA, uspostavljen kontakt s prof. Winterbottomom, koji je potom održao predavanje na temu Design&Build programa i predložio suradnju na već dogovorenoj radionici u Psihijatrijskoj bolnici Rab na oblikovanju i izvedbi četiri terapijska vrta u sklopu bolničkog kampusa.

Nažalost, rok je bio prekratak da bi se takva suradnja ostvarila, no ipak je jedna studentica studija KA na njoj sudjelovala i prenijela svoja iskustva nastavnicima Studija.

Šesnaest američkih studenata i naša studentica u devet su tjedana isprojektirali i izveli prvi terapijski vrt.

The Island of RAB – DISCOVERING THE POTENTIAL

The International landscape architecture student summer workshop - Design&Build - ZAGREB 2015 is a continuation of the previously established collaboration with prof. Daniel Winterbottom (University of Washington, College of Built Environments, School of Landscape Architecture, Seattle, USA). Prof. Winterbottom, since 1995, leads the Design&Build program and leads workshops throughout the United States and even out of the USA (*Study Abroad*) – in Mexico, Japan, Guatemala, Bosnia and Herzegovina and in Croatia, as a part of regular curricular education.

Among the students, there are often students from other related studies, from other American universities and also students from abroad.

Design&Build – RAB 2012

1st October - 1st December, 2012

In the fall of 2012, thanks to Luka Jelušić, MLA, a former landscape architecture student in Zagreb, contact with prof. Winterbottom was established. After that, prof. Winterbottom gave a lecture about the Design&Build program and proposed collaboration on the already agreed workshop for design and construction of four therapeutic gardens within the Psychiatric Hospital Rab campus.

Unfortunately, the deadline was too short to achieve that collaboration. Nevertheless, one landscape architecture student from Zagreb took part in it and conveyed her experience to her landscape architecture teachers. This student, together with sixteen American students, designed and built the first therapeutic garden in nine weeks.



Design&Build – RAB 2013
24. kolovoza - 22. rujna 2013.

Aktivna suradnja studija Krajobrazna arhitektura započela je na radionici Rab 2013. na kojoj su uz sedam američkih, participirale i dvije grupe od po osam hrvatskih studenata, svaka po četrnaest dana. Radionica se odvijala pod vodstvom prof. Winterbottoma, uz suvoditeljstvo krajobraznog arhitekta Luke Jelušića i uz povremena sudjelovanja dr.sc. Ive Rechner Dika i prof.art. Stanka Stergaršeka.

Studenti su za tih mjesec dana, živeći i radeći u psihijatrijskoj bolnici, projektirali i uz pomoć korisnika izveli terapijski vrt za relaksaciju i druženje, s pozornicom, sjenicom, nekoliko vrsta klupa, ležaljka i ljuljačkom. Zagrebački studenti pokazali su se pritom kao ravnopravni sudionici, a razvila su se i brojna prijateljstva.

Rezultati ove suradnje bili su i za uključene nastavnike i za studente potpuno novo i oduševljavajuće iskustvo, kako u pogledu primijenjenih pedagoških metoda i modela suradnje, tako i pogledu finalnog produkta izvedenog terapijskog vrta.

Radionica je prikazana na izložbi na Agronomskom fakultetu 30.9. – 11.10.2013. i u tiskanoj i web-brošuri, a izložba je kasnije ponovno postavljena u Psihijatrijskoj bolnici Rab u povodu 5. internacionalnog simpozija iz psihijatrije i kognitivne znanosti 25.9. - 26.9.2014.

Design&Build - RAB 2014
14. rujna - 24. studenog 2014.

Slična i još intenzivnija suradnja ostvarila se 2014. godine, kada je osmišljen i izveden i treći rapski terapijski vrt za neurokognitivnu rehabilitaciju.

U sklopu vrta izvedena je sjenica s klupama i memorijskim igrama, refleksološka staza te platforma sa skulpturama za rad s terapijskim psom.

Devet hrvatskih studenata surađivalo je tijekom prvog mjeseca radionice u mješovitim grupama s četrnaest američkih studenata (iz SAD, Kine, Japana itd.) u kreiranju terapijskog vrta i dizajniranju njegovih elemenata, uz vođenje prof. Winterbottoma i povremeno sudjelovanje prof.art. Stanka Stergaršeka i doc.dr.sc. Ive Rechner Dika.

Zbog početka akademske godine, dio izvedbe američki su studenti obavili sami.

Na ovoj je radionici u ulozi *teaching assistanta* prof. Winterbottoma sudjelovala i naša studentica Srna Krtak i taj je njezin rad službeno priznao i honorirao University of Washington.

I suradnja i rezultat bili su ponovno izvrsni i motivirajući.

Design&Build – RAB 2015
23. srpnja - 24. kolovoza 2015.

Posljednja rapska radionica, 2015., vezana uz izgradnju aromatskog vrta, slijedila je nakon zagrebačke; tu je sudjelovanje zagrebačkih studenata i nastavnika, iz objektivnih razloga, izostalo.

Na ovoj je radionici, za svog *teaching assistanta*, prof. Winterbottom i službeno angažirao našeg studenta Matu Rupića.

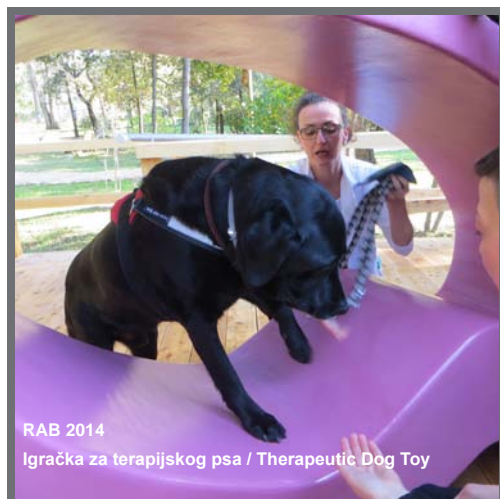
Design&Build – RAB 2013
24th August - 22nd September, 2013

The first true participation of the Zagreb School of Landscape Architecture began on the Rab's workshop in 2013. In this workshop, in addition to seven American students, two groups of eight Croatian students participated, each group for fourteen days. The workshop took place under the leadership of prof. Winterbottom, with the co-managing of Luka Jelušić, MLA and with occasional participation of Zagreb teachers, Iva Rechner Dika and Stanko Stergaršek.

Over the course of one month, students lived and worked in a psychiatric hospital, designed and, with the help of the users also built a therapeutic garden for relaxation and social gathering, with a stage, arbor, several types of benches, deck chairs and a swing. In this process all students, including the ones from Zagreb, participated equally and many friendships were forged.

The results were a completely new and the inspiring experience for students and teachers regarding the teaching methods and collaboration model, as well as the final product, the newly built therapeutic garden.

The workshop was presented in an exhibition at the Faculty of Agriculture from the 30th of September till the 11th of October 2013 as well as in a printed and an online brochure. Later, the exhibition was re-set in the Psychiatric Hospital Rab on the occasion of the 5th International Symposium of Psychiatry and Cognitive Science which took place from 25th to 26th September 2014.



RAB 2014
Igračka za terapijskog psa / Therapeutic Dog Toy

Design&Build – Rab 2014
14th September - 24th November, 2014

A similar but even more intensive collaboration was achieved in 2014 when the third therapeutic garden for neurocognitive rehabilitation was designed and built. Within the garden an arbor with benches and memory games, reflexology path and platform with sculptures for therapy with a therapeutic dog were built.

During the first month of the workshop, nine Croatian students worked together in mixed groups with fourteen American students (from United States, China, Japan etc.) on creating a therapeutic garden and designing its elements, under the leadership of prof. Winterbottom and occasional participation of prof. Stergaršek and assist.prof. Iva Rechner Dika.

Due to it being the beginning of the academic year, part of the construction was carried out by the American students themselves.

Srna Krtak, a Zagreb student, took part in this workshop as a teaching assistant of prof. Winterbottom and her work was officially recognized and paid by the University of Washington. This collaboration and the result were again excellent and motivating.

Design&Build – RAB 2015
23rd July - 24th August, 2015

The last Rab workshop, which took place in 2015 and was related to the construction of the aromatic garden, followed after the workshop in Zagreb and for objective reasons students and teachers from Zagreb did not participate.

In this workshop, prof. Winterbottom officially hired our student Mate Rupić for his teaching assistant.

IZAZOVI SURADNJE U SITUACIJI RAZLIČITIH OBRAZOVNIH SUSTAVA

Za bolje razumijevanje kompleksnosti uspostavljanja suradnje na Design&Build programu, potrebno je razjasniti bitne razlike između dva obrazovna sustava.

Design&Build program Sveučilišta Washington nudi se svake godine kao važan, temeljni dio nastave (*capstone studio*) i izvodi se internacionalno kad god je to moguće. Studenti stječu 12 bodova (*credit*), a program objedinjuje tri standardizirana kolegija koji se izvode kroz integriranu nastavu – studio.

Internationalni program obuhvaća studente na dodiplomskom i diplomskom studiju, kao i one izvan matičnog sveučilišta, i to s područja krajobrazne arhitekture, arhitekture, antropologije, lijepih umjetnosti i drugih srodnih područja.

Skolarina koju studenti plaćaju za ovaj program pokriva troškove smještaja i hrane za studente, plaću uključenog fakultetskog osoblja i lokalne putne troškove.

Na rapskim radionicama kao i na zagrebačkoj, na primjer, sudjelovali su i studenti koji studiraju u drugim zemljama, studenti lijepih umjetnosti, ali isto tako i studenti arhitekture s prestižnog Cornell Universityja.

Ovakva vrsta nastave u Hrvatskoj nije uobičajena, a kad i postoji, organizirana je na akademski manje formalan način ili kao neformalan volonterski model: "Ljetna škole arhitekture" (Motovun), "Graditeljska radionica suhozida" (Dragodid) ili "Ljetna radionica krajobrazne arhitekture" (Jankovića Stojana kula).

Sudjelovanje je, uglavnom, izvankurikularno (dodatak za diplomu), ponekad se priznaje kao stručna praksa ili se, u okviru studentsko profesorskih inicijativa, dodjeljuju nagradni bodovi.

Visoko obrazovanje u Hrvatskoj u najvećoj mjeri financira država, bez stalnog i strukturno predviđenog financiranja alternativnih modela učenja kroz individualne, povremene ili izvanobrazovne aktivnosti (terenske nastave, prakse, specifične aktivnosti unutar strateških ciljeva ili sl.).

Mobilnost unutar srodnih fakulteta/studija, iako proklamirana bolonjskom reformom, još je uvijek prije iznimka negoli pravilo, tako da čak i kod studija Krajobrazna arhitektura, koji je utemeljen kao sveučilišni / interfakultetski studij, ima u stvarnosti ograničeni domet.

Pedagoške razlike, kao i različiti izvori i uvjeti financiranja, ozbiljan su izazov i sklizak teren na kojem je skovano ovo jedinstveno partnerstvo, pretežno temeljeno na osobnim i izvaninstitucijskim kontaktima i međusobnom povjerenju i bez formalne procedure, koja se zbog brzine redovito uspostavlja tek *aposteriori*.

Ugrađivanje Design&Build programa (na engleskom jeziku) u redovit program zagrebačkog studija Krajobrazna arhitektura, neispunjena je ambicija s ishodom koji je teško prognozirati.

CHALLENGES OF THE COLLABORATION IN A VARIOUS EDUCATIONAL SYSTEMS SITUATION

To understand the complex process of establishing the design/build collaborative, the significant distinctions between the two educational systems must be understood.

The University of Washington Design&Build program is offered each year as a required capstone studio and is presented internationally whenever possible. The students receive a total of 12 credits incorporating three standardized courses.

The international program comprises undergraduate, graduate and non-matriculated students from landscape architecture, architecture, anthropology, fine arts and other fields. The program fee covers student costs, faculty salaries and in country travel.

On the Rab and Zagreb workshops, for example, students who study in other countries, students of fine arts and even architecture students from prestigious Cornell University, also participated.

This teaching model is less common in Croatia and when implemented, it is structured as a less formal academic or informal volunteer model, similar to the "Summer school of architecture", (Motovun), "Dry stone-wall construction workshop" (Dragodid) or "Summer workshop of landscape architecture" (Jankovića Stojana Tower), offered elsewhere in the country.

Participation is often extracurricular (diploma supplement), or extra credits are "awarded" through student/teacher initiatives.

Croatian education is largely state funded and a system of funding for alternative learning models that are underwritten through funds provided for individual, occasional or extra educational activities, etc) are not provided.

Supported by the recent Bologna reforms, the mobility between related faculties/schools is rare, and has only been partially achieved even within the School of Landscape Architecture that was established as an intercollegiate study model.

These pedagogical distinctions, compounded with differing resource and financial conditions, represent significant challenges and shifting terrain upon which this unique partnership has been forged, largely through personal, non-institutional contacts and mutual confidence, established *a posteriori* without a formalized procedure.

Implementing the Design&Build program (in English) in the regular program of the School of Landscape Architecture in Zagreb is an unfulfilled ambition with an outcome which is difficult to predict.





Priprema radionice

Ideja o radionici koja bi se odvila na zagrebačkom kampusu Agronomskog fakulteta rodila se tijekom rapskog zajedničkog rada i druženja, s motivacijom da se na domicilnom fakultetu studija Krajobrazna arhitektura pokaže vrijednost i dosezi ovog inovativnog načina poučavanja (internacionalno okruženje, engleski jezik, volonterski rad i služenje interesima zajednice, *hands-on* pristup), sa željom da se tom prilikom napravi detaljna analitika opterećenja i troškova te da se na temelju toga Design&Build pokuša ugraditi u *curriculum* obrazovanja krajobraznih arhitekata i u Hrvatskoj, s nadom da bi veliki inkluzivni potencijal nastave kakva nedostaje u Europi, mogao potaknuti i dolaznu mobilnost studenata, i to ne samo krajobrazne arhitekture.

Tražeći izvore financiranja, Studij se aktivno uključuje u kandidaturu za europska sredstva sudjelujući u osmišljavanju programa Fakulteta za Ms studije ESF – Unapređivanje kvalitete uvođenjem standarda kvalifikacija u diplomске studije u području poljoprivrede, u sklopu kojeg se eksperimentalno trebala izvesti i Design&Build radionica, no nakon obećavajućih početnih rezultata, ta sredstva ipak izostaju.

Za već dogovorenu i pripremljenu radionicu trebalo je u zadnji čas pronaći nove izvore financiranja i tako spasiti već ranije dogovorenu suradnju s prof. Danielom Winterbottomom i novodogovorenu s prof.dr.sc. Davorinom Gazvodom iz Ljubljane.

Studij Krajobrazna arhitektura se u trenu pretvorio iz organizatora i u investitora.

Agronomski fakultet donosi odluku o sufinanciranju prehrane za hrvatske studente i profesore te odobrava cca 1/3 potrebnih sredstava za materijal.

Preparing the Workshop

The idea of the workshop, which would take place at the Faculty of Agriculture Zagreb campus, emerged during the joint work and discussions on Rab with the idea to show the value and scope of the innovative ways of teaching (international environment, English language, volunteer work and public service, hands-on approach), with the desire to make detailed analytics of time and cost demands and based on that, try to incorporate the Design&Build program into the curriculum of the landscape architecture program in Croatia, hoping that this potential could encourage the incoming mobility of landscape architecture and students from related fields.

Looking for sources of financing, the Zagreb School of Landscape Architecture gets actively involved in candidacy for European funding by participating in the process of designing the Faculty program for master studies „ESF - Improving quality by introducing qualification standards in graduate studies in the field of agriculture“, within which the Design&Build workshop was supposed to be organized, but after promising initial results this funding was not approved.

For this workshop, which had already been agreed upon and prepared, new sources of funding needed to be found to save the collaboration with prof. Winterbottom and newly agreed collaboration with prof. Davorin Gazvoda from Ljubljana.

The School of Landscape Architecture was instantly transformed from the organizer into the investor.

The Faculty of Agriculture agreed to co-finance food for Croatian students and professors and approved approximately 1/3 of the funds needed for the building



Agronomski fakultet - lokacija / Faculty of Agriculture - Site
Zračni snimak / Aerial View

DESIGN&BUILD - ZAGEB 2015 / PRIPREME

DESIGN&BUILD - ZAGEB 2015 / PREPARATIONS

11

Preko programa CEEPUS osiguravaju se sredstva za prehranu i smještaj slovenskih studenata i profesora (uz pomoć prodekanice prof.dr.sc. Renate Bažok i fakultetskog Ureda za međunarodnu suradnju).

Preostalih potrebnih 2/3 sredstava se intenzivno traži kroz donacije.

Ovaj je prisilni proces, do zadnjeg časa s neizvjesnim rezultatom, na kraju urodio brojnim novim zanimljivim partnerstvima i suradnjama, vjerojatno puno dugoročnijim od same radionice.

The CEEPUS program secured funds for food and accommodation for the Slovenian students and professor (with the help of the Vice Dean prof. Renata Bažok and the International Relations Office of the Faculty of Agriculture). The remaining 2/3 of the funds were intensively being sought through donations. This "forced" process, with an uncertain outcome up to the last minute, finally resulted in a number of new interesting partnerships and collaborations that will probably last much longer than the workshop itself.



Agronomski fakultet - lokacija / Faculty of Agriculture - Site

Kao pripremu radionice, studenti zagrebačke krajobrazne arhitekture su, u sklopu stručnog projekta, načinili istraživanje vanjskog prostora kampusa Agronomskog fakulteta (anketa studenata i zaposlenika na reprezentativnom uzorku od 112 ispitanika), a s prof.dr.sc. Boškom Pribičevićem s Geodetskog fakulteta je dogovoreno detaljno snimanje i izrada geodetske podloge za odabrano područje.

Dogovoreno je i da će Agronomski fakultet dati na raspolaganje alat iz svojih radionica i zavoda, kao i eventualno potrebnu tehničku pomoć.

Specifičnosti zagrebačke radionice

U mnogim je elementima ova radionica drugačija od ranijih izvedenih u Psihijatrijskoj bolnici Rab, gdje je, zahvaljujući čvrstoj volji i viziji, kao i čvrstoj ruci ravnateljice doc.dr.sc. Vesne Šendula-Jengić radionicama prethodila izrada master plana vanjskih prostora i gdje se bolnica jasno postavila kao zainteresirani investitor s definiranim proračunom i osiguranim donatorima.

Uloge prof. Winterbottoma kao voditelja, zagrebačkih nastavnika kao onih koji će (u svoje slobodno vrijeme i uglavnom o svom trošku) "uskočiti koliko budu mogli", američkih i hrvatskih studenata koji će biti glavna radna intelektualna i fizička snaga, zainteresiranog osoblja i korisnika koji će sudjelovati u kritičkim raspravama i na kraju pomoći pri izvedbi, bile su jasno postavljene.

Nažalost, ovako jasna situacija i podjela uloga je u Zagrebu izostala, pa je organizacija i voditeljstvo radionice preraslo u zahtjevan i stresan posao pribave sredstava, pronalaska i nabavke svih potrebnih materijala i alata, obavljanja svih komunikacija, rješavanja svih strukturnih (prijava radova, dozvole) i svih tekućih problema... i sve je to palo na, zapravo, dvije osobe.

Druga specifičnost se odnosi na činjenicu da su se rapske radionice odvijale na neutralnom terenu i da su svi sudionici radionice bili u ravnopravnom položaju i tretirani kao gosti. U Zagrebu su, i studenti i profesori, nužno bili u položaju domaćina, sa svim prednostima i manama koje takva uloga donosi.

Prednost domaćeg terena pokazala se u izvjesnoj mjeri pri radu na zadatku, oblikovanju i izvedbi prostora za učenje i druženje studenata, pri čemu su domaći studenti, sukladno prethodnom istraživanju koje je dalo glavne smjernice, zapravo, trebali što jasnije definirati svoje svakodnevne potrebe i brinuti se o njihovom ispunjavanju u predloženim projektima.

Odgovornost za rad na projektu i za izvedbu u prostoru vlastitog fakulteta sigurno pritom nije bila olakotna okolnost.

Zadatak koji se odnosi na artikuliranje vanjskog prostora za učenje i druženje studenata, zasigurno nije među tipičnim zadacima Design&Build programa koji je, načelno, orijentiran prema pomoći marginaliziranim ili stigmatiziranim socijalnim grupama. Ipak, izazov projektiranja za vlastite potrebe, nije se pokazao ništa manjim od onog na Rabu.

Dodatna specifičnost odnosi se na činjenicu da se prostor zagrebačkog kampusa nalazi unutar zaštićene zone Parka Maksimir, te shodno tome svaka intervencija u njemu prolazi superviziju Gradskog zavoda za zaštitu spomenika kulture i prirode. Neizmjereno smo zahvalni da je Zavod pokazao veliko razumijevanje za vrijednost i važnost radionice, te kroz intenzivnu komunikaciju s mentorima iznašao *modus* da pojednostavi i ubrza ishoda suglasnosti i direktivnog nazora, tako da se radionica mogla cjelovito i bez zastoja odviti u svom vremenski izuzetno komprimiranom obliku.

As preparation for the workshop, Zagreb students of Landscape Architecture conducted a study of the Faculty of Agriculture campus outdoor space (questionnaire of 112 students and teachers).

With the Faculty of Geodesy professor Boško Pribičević, a detailed survey and setup of geodetic groundwork of the selected area was arranged.

Also, it was agreed that the Faculty of Agriculture would make available its tools from workshops and departments as well as any necessary technical assistance.

The Specifics of Zagreb Workshop

This workshop differs from previous ones at the Psychiatric Hospital Rab in which, thanks to the will and vision as well as the "firm hand" of the director Vesna Šendula-Jengić, Ph.D., the outdoor space master plan was designed prior to the workshops and where the hospital resolutely set out as an interested investor with a defined budget and donors assured.

The role of prof. Winterbottom as a leader, the roles of the Zagreb teachers as those who will (in their free time and mostly at their own expense) "help as much as they can", the roles of the American and Croatian students who will be the main working intellectual and physical force, the roles of interested staff and users who will be participating in critical discussions and ultimately participate in the construction, were clearly defined.

In Zagreb, unfortunately, this role division was not so clearly established, so the organization and leadership of the workshop grew into a very demanding and stressful job of obtaining funds, acquisitioning all materials and tools, performing the communication, solving all the structural (construction work registration and permits) and all the other ongoing problems... and, in the end, all this fell on, in fact, two people...

Another specificity refers to the fact that the Rab workshops took place on neutral ground and that all the participants were equal and were treated as guests. Students and professors in Zagreb were inevitably in a host position with all the advantages and disadvantages that such a role brings.

The advantage of "home" terrain was evident to a certain extent while working on a task, designing and building a space for learning and socializing of students, during which the host students, according to the previous research which provided the main guidelines, actually had to clearly define their own everyday needs and take care about their fulfillment in the proposed projects.

The responsibility for the project work and for the construction in the environment of their own Faculty was certainly not a mitigating circumstance.

The task that relates to the articulation of the outdoor space for learning and socializing of students certainly does not belong to the typical tasks of the Design&Build program, which is in principle oriented to help the marginalized or stigmatized social groups. However, the challenge of designing for their "own" needs, proved to be nothing less demanding than the tasks on Rab.

An additional specific consideration relates to the fact that the Zagreb campus is located in the protected area of the Maksimir park, which means that any intervention has to go through the supervision of the City Institute for the Conservation of Cultural and Natural Heritage. We are immensely grateful that the Institute showed a great understanding for the value and importance of the workshop and through intensive communication with the mentors devised a mode to simplify and expedite the procedures for obtaining the approval and directive supervision, so the workshop could comprehensively and without delays take place in its extremely compressed time frame.



Agronomski fakultet - lokacija / Faculty of Agriculture - Site
Paviljon 4 / Pavilion 4

S. Stergaršek, I. Rechner Dika

Čini se da je nužno da se odmah negdje u svijetu osnuje takva sredina za eksperimentalni dizajn. Ja je zamišljam najmanje školom, a više radnom okolinom.

Ovdje bi mladi ljudi „učili“ radom na stvarnim dizajn-problemima, umjesto na umjetno konstruiranim vježbama.

Takva bi radna okolina, u svakom slučaju, morala biti malena po obujmu, ne prihvaćajući nikako više od trideset 'studenata'.

Ti bi mladići i djevojke potjecali iz raznih sredina, raznih dobnih grupa, s naučnim i radnim iskustvom u mogim različitim područjima. U svako doba oni bi djelovali kao multidisciplinarni dizajn-tim.

Njihov rad bio bi društveno relevantan i uvijek 'realan'.

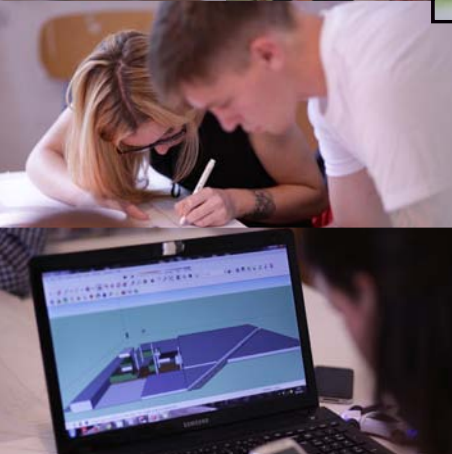
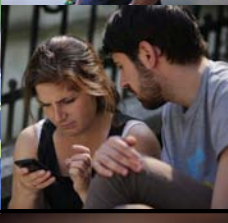
It seems crucial that such an experimental design milieu be established somewhere in the world at once. I envision it less as a school than as a working environment.

Here, young people would 'learn' through working on real design problems rather than artificially constructed exercises.

Such a working environment would, of necessity, be small in size, at no time accepting more than thirty 'students' at most.

These young men and women would be of varied backgrounds, differing age groups, with study and work experiences in many different fields. At all times they would operate as a multidisciplinary design team.

Their work would be socially relevant and always 'real'.



PROJEKTIRANJE
NATJECANJE ŠEST INTERNACIONALNIH GRUPA

Prvi dan radionice, iako državni praznik, za sudionike je radni dan i protiče vrlo živahno u cijelom nizu različitih aktivnosti. Mjesto okupljanja i baza radionice, ljetnikovac biskupa Haulika, zahvaljujući svojoj izdvojenosti i relativnoj autonomiji, pokazuje se opetovano kao idealno mjesto za odvijanje ovako zahtjevne radionice u kojoj radno vrijeme često nadilazi uobičajene okvire. Okupljanje sudionika, međusobno upoznavanje, podjela naljepnica s imenima, grickalice, kava i osvježavajuće piće dobrodošlice, kratko predavanje o bogatoj povijesti biskupskog ljetnikovca...

Slijedi zajednička priprema i organizacija radnog prostora, pa obilazak parka Maksimir i kampusa.

Šetnju prati niz kraćih predavanja prof. Stergaršeka i doc. Rechner Dika o povijesti i razvoju prostora *Park Maksimir and Bishop's Estate / Faculty of Agriculture Campus*. Vođeni obilazak završava u središnjem dijelu kampusa, lokaciji koja je predmet radionice i unutar koje studenti trebaju osmisliti i oblikovati prostor prvenstveno za studentsko učenje, odmor i druženje, ali i za druge stalne i povremene korisnike prostora.

Slobodno vrijeme do ručka studenti koriste za međusobno upoznavanje, za skiciranje i fotografiranje prostora.

Zajednički ručak u Gurmanu, upoznavanje domaće kuhinje i povratak u Haulikov ljetnikovac, podjela studenata u šest internacionalnih grupa, po pet studenata, koje će se u prvoj fazi radionice međusobno natjecati svojim projektima zadanog prostora.

Stižu i detaljni geodetski snimci prostora kolega s Geodetskog fakulteta.

Kao uvod u projektiranje, studenti studija Krajobrazna arhitektura prezentiraju rezultate ranije izvedenog istraživanja kampusa *Analysis of Outdoor Spaces*, provedenog u sklopu stručnog projekta.

Anketa izvedena na reprezentativnom uzorku od 112 ispitanika koja pokazuje percepciju vanjskog prostora kod studenata različitih studija i kod zaposlenika fakulteta, povod je zajedničkoj raspravi.

Rad po grupama na izradi masterplana može započeti!

Krajem dana, još jedno predavanje doc. Rechner Dika *Development of Landscape Design*, pa zaslužena zajednička večera.

Drugi dan protiče u radu po grupama, u analizama i prvim skicama master plana središnjeg dijela kampusa. Tijekom jutra prof. Gazvoda drži prvo, a popodne i drugo iznimno zanimljivo i poticajno predavanje: *Where do Ideas come from i Campus Landscape Design*.

Atmosfera je ugodna, opuštena i poticajna, ali nadasve radna. Nastavnici, mentori radionice sve su vrijeme na raspolaganju studentima. Diskusije su čas komorne, čas masovne, na tren se odnose na pojedinu ideju, a odmah potom se razvijaju oko generalnih problema. Internacionalna i interkulturalna razmjena znanja pokazuje se djelatno kroz različite komentare i sugestije.

Posjet prodekanice za međunarodnu suradnju prof.dr.sc. Renate Bažok radionici te zajednički ručak, na simboličan način pokazuju i studentima i mentorima brigu Fakulteta za tijek radionice.

Prvi put radi se produženo jer već sutra treba pokazati prve rezultate.

DESIGNING
COMPETITION OF SIX INTERNATIONAL GROUPS

The first day of the workshop, even though it is an official holiday, is a working day for all participants. It passes by cheerfully with many organized activities. The meeting place and the workshop base is an isolated mansion of the Bishop Haulik. Due to its detached location and relative autonomy it proves to be, once again, a perfect location for the realization of such a demanding workshop in which working hours often exceed the usual ones.

The gathering and introduction of participants, followed by the distribution of name labels, snacks, coffee and a refreshing welcome drink, and then a short lecture regarding the rich history of the Bishops' mansion, a joint preparation and organization of the working area and then a guided tour of the park Maksimir and the Campus follow.

The tour is followed by a series of short lectures of prof. Stergaršek and doc. Rechner Dika regarding the history and development of the area: "*Maksimir Park and Bishop's Estate / Faculty of Agriculture Campus*".

The guided tour ends in the Campus center, at the site which is the subject of the workshop, in which students will have to design and create the primary space for their learning, resting and socializing, but also for other

permanent and temporary users.

Students use the spare time before lunch for getting to know each other and for sketching and photographing the area. After that there is a group lunch at the "Gurman", familiarization with the local cuisine and return to Haulik's mansion, then the students are divided into six international groups (five students each) that will, in the first phase of the workshop, compete with each other with their projects of the assigned area.

Our colleagues from the

Faculty of Geodesy also arrive with detailed geodetic records of the site, and as an introduction to the design, the Zagreb landscape architecture students present the results of the previously performed research of the Campus: "*Analysis of Outdoor Spaces*".

The survey was conducted on a representative sample of 112 respondents and it indicates student and Faculty staff open space perception, and was a motive for a joint debate about the area.

Group work on the Master plan design can begin!

At the end of the day, another lecture of doc. Rechner Dika: "*Development of Landscape Design*", followed by a well-deserved joint dinner.

The second day runs in the group work, in analysis and first sketches of the central campus area master plan. During the morning, prof. Gazvoda holds the first, and in the afternoon the second very interesting and stimulating lecture: "*Where do Ideas come from*" and "*Campus Landscape Design*".

The atmosphere is pleasant, relaxed and stimulating, but above all full of work. Workshop teachers, mentors are available to the students at all times. In one moment discussions are in small groups, and in another they are massive, as they relate to a particular idea and then immediately develop around the general problem.



Treći dan, od ranog jutra priprema i postava prijedloga po zidovima ljetnikovca. Prva međusobna prezentacija, sučeljavanje različitih pristupa i različitih rješenja, komentari mentora, ali i primjedbe suparničkih grupa.

Nije lako biti krajobrazni arhitekt u kompetitivnom međunarodnom okruženju!

Popodne radionicu posjećuje krajobrazni arhitekt Luka Jelušić, naš provjereni stručnjak iz prakse koji će se pridružiti u kritičnoj fazi izvedbe, radi detaljnog dogovora i uvida u tijek radionice.

Četvrti dan, ponovno praznik, ponovno samo još jedan običan radni dan za sudionike radionice. Uz doradu master planova po grupama, počinju se, također po grupama, razvijati i prve ideje boravišne strukture, središnjeg motiva radionice koji u konačnici treba biti i izgrađen. U popodnevnim satima održana su još dva vrlo zanimljiva predavanja, prof. Gazvode: *Author's Approach in Landscape Design* i prof. Winterbottoma: *Structures in Design&Build*.

Peti, šesti i sedmi dan, dani su intenzivnog rada po grupama, rada na prijedlozima master plana i na prijedlozima boravišnih struktura. Deset sati, dvanaest sati, trinaest sati rada dnevno...

Šesti dan slijedi još jedan, završni pin-up komentar, pa finalizacija prijedloga i izrada maketa.

Iako naizgled jednostavni zadaci, pronalaženje i nabava materijala za makete pokazuju se neočekivano zahtjevni i daju naslutiti početak posebnog izazova nabave materijala za gradnju tijekom cijele radionice.

Sedmi se dan, još u ponoć, grozničavo završavaju i crteži i makete!



Dan 8., 29. lipnja 2015.

PREZENTACIJA ŠEST PROJEKATA, ODABIR ELEMENATA ZA RAZRADU I IZVEDBU

Dan uzbuđenja i odluke, šest grupa studenata prezentira na engleskom jeziku svoje projektne prijedloge master plana i strukture, živom riječju, crtežima, skicama i maketom, dekanici Agronomskog fakulteta prof.dr.sc. Tajani Krička, voditeljici studija Krajobrazna arhitektura prof. dr.sc. Branki Aničić i drugim nastavnici studija Krajobrazna arhitektura – doc.dr.sc. Petri Pereković, dr.sc. Ines Hrdalo, mr.sc. Vesni Koščak Miočić Stošić i dr.sc. Goranu Andlaru, kao i mentorima.

Prvi prezentirani master plan pod nazivom GRIDDED DIVISIONS, inspiriran poljima, zadržava većinu komunikacija, predlaže transformaciju vanjskog prostora pred 3. i 6. pavilijonom, a u zoni staklenika, budućeg centra za studente, stvara trg s pozornicom, neformalnim strukturama za sjedenje i nadstrešnicom sa zelenim krovom. Rješenjem, temeljenom na kvadratnoj raspodjeli, dominiraju velike koloristički diferencirane površine raznolikog bilja.

Zapadni dio parkirališnih mjesta pred ulazom u 4. paviljon se ukida.

Drugi, VISTAS, na sličan se način odnosi prema kolnom prometu, a postojeće pješačke staze dijelom transformira i unosi nove.

Na novom križištu puteva formira se trg i na njemu kompleksna struktura s kombinacijom pergole i nadstrešnice,

The international and intercultural knowledge exchange reveals itself effectively through the diversity of comments and suggestions.

The visit of the Vice-Dean for International Relations prof. Bažok to the workshop and a joint lunch, symbolically indicates the Faculty's care for the workshop.

The working hours are extended for the first time because the first results need to be presented the next day.

The third day, from the early morning preparation and proposals being pinned up on the mansion walls. The first mutual presentation, different approaches and different design confrontations, mentors comments and other student groups' remarks take place.

It is not easy to be a landscape architect in a competitive international environment!

Luka Jelušić, a landscape architect and our expert proven in practice, visits the workshop in the afternoon for a detailed agreement and to gain insight into the workshop course, he will join the workshop in the critical phase.

The fourth day, a holiday again, but another ordinary working day for the workshop participants. Apart from the development of master plans in groups, the first ideas of the residential structure are developed as the central motive of the workshop, which ultimately should be built.

In the afternoon, prof. Gazvoda held two more very interesting lectures: "*Author's Approach and Landscape Design*" and prof. Winterbottom: "*Structures and Design&Build*".

The fifth, sixth and seventh day are days of intensive group work, work on the master plan proposals and residential structure. Ten hours, twelve hours, thirteen hours of work per day...

On the sixth day, there is another final pin-up comment, proposal finalization and the construction of a model.

Although they seem like simple tasks, finding and the acquisition of model materials proves to be unexpectedly demanding and indicates the special challenge of purchasing construction materials during the entire workshop. During the seventh day, even at midnight, participants are feverishly finishing the drawings and models!

Day 8, 29th June, 2015

THE PRESENTATION OF SIX PROJECTS, SELECTION OF ELEMENTS FOR DEVELOPMENT AND CONSTRUCTION

The day of excitement and decision arrives.

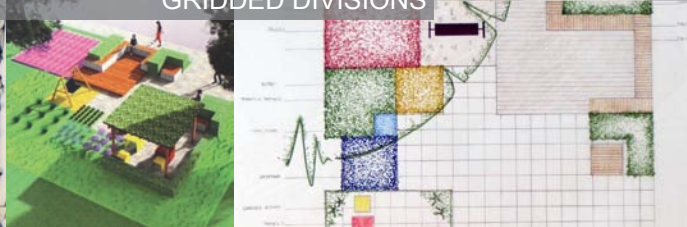
Six international student groups are presenting their master plan and structure project proposals in English, using live words, drawings, sketches and models, to the Dean of the Faculty of Agriculture, prof. Tajana Krička, the Head of the School of Landscape Architecture, prof. Branka Aničić and to the other landscape architecture teachers – Petra Pereković, Ines Hrdalo, Vesna Koščak Miočić Stošić and Goran Andlar, as well as to their mentors.

The first presented master plan named GRIDDED DIVISIONS, inspired by fields, retains most of the existing pathways, proposes the transformation of open space in front of the third and sixth pavilion, and within a greenhouse zone, which will be the future students' center, creates a square with a stage, informal seating structures and a canopy with a green roof.

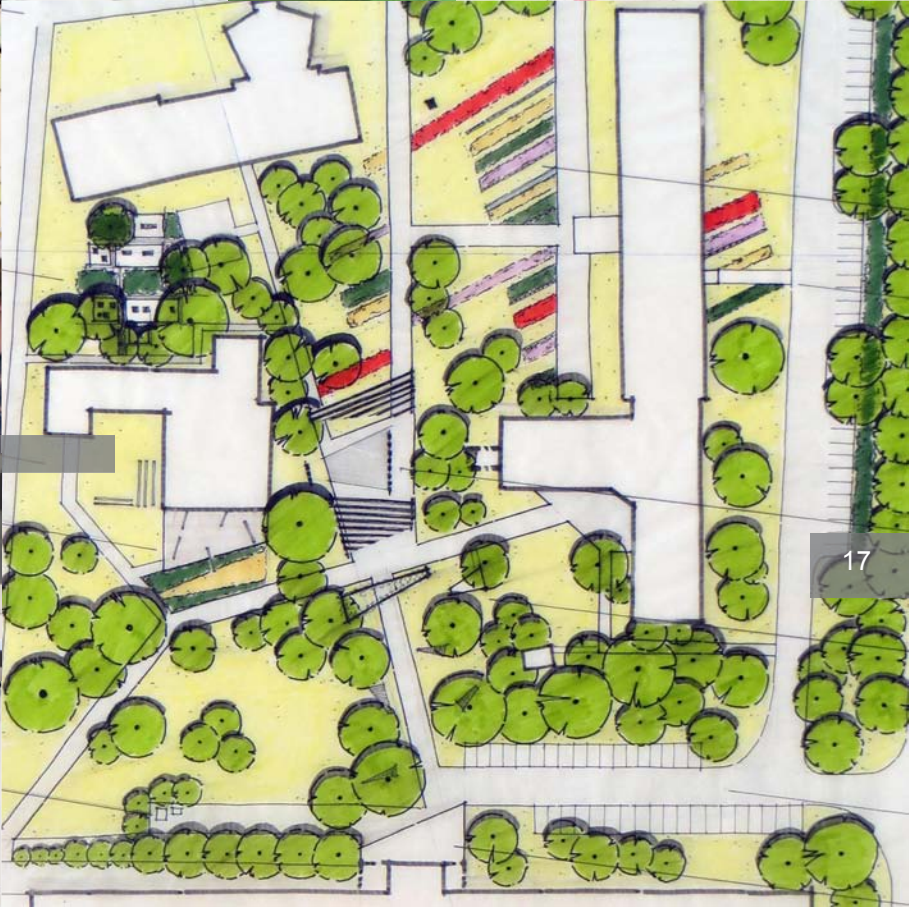
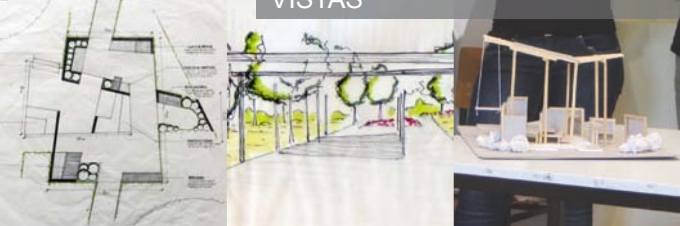
This design, based on a square distribution, is dominated by large colorfully differentiated surfaces of various plants. The western parking space area in front of the



GRIDDED DIVISIONS



VISTAS



SEPARATE | INTEGRATE





OASIS OF KNOWLEDGE



CENTRAL SOCIAL GATHERING ZONE



COMMUNITIES WITHIN COMMUNITY



u nekoliko razina i podijeljena u niz relativno odvojenih podprostora.

Prostorom dominiraju trakasti potezi raznobojnog bilja koji naglašavaju i potvrđuju novoformiran smjer.

SEPARATE | INTEGRATE, treći je prijedlog koji pojačava dolazni, dijagonalni smjer, dopunjava postojeći linearan sustav staza i na njega superponira i jednu novu, dominantnu, kurvilinearnu stazu koja se proteže kroz cijelu središnju zonu, a pred 4. paviljonom stvara petlju uz koju se veže linearno komponirana struktura s natkritim tribinama, ljuljačkom i nizom screenova s penjačicama. Svi elementi oblikovanja, slobodnostojeće klupe i gredice, referiraju se na pojačan dijagonalni smjer. Promet, odnosno parkiralište pred 4. paviljonom potpuno se ukida i djelomično zamjenjuje novim, postavljenim uz južni zabat 5. paviljona.

Sljedeći master plan, OASIS OF KNOWLEDGE, na minimalno preoblikovanu ortogonalnu mrežu postojećih šetnica superponira zavojit i mjesecolik sustav oblikovan modelacijama u terenu i cvjetnim gredicama, koji formira niz podprostora. Uz sadašnji staklenik, budući centar za studente, pozicionira se velika kružna drvena platforma za različita okupljanja, a unutar jednog od intimnijih podprostora i struktura za odmor – niz djelomično natkritih valovitih klupa koje se u trakama pružaju kroz prostor. Parkiralište pred 4. paviljonom znatno je reducirano i ostavljen je samo prolaz za interventna vozila.

Radijalni koncept šetnica koje se sijeku u jednoj točki, u kojoj se formira središnji trg neposredno oslonjen na budući centar za studente / staklenik, glavna je odlika rada pod nazivom CENTRAL SOCIAL GATHERING ZONE. Sekundarna sjecišta smjerova formiraju ulazne trgove u 4. i 6. paviljon i sustav trokutastih cvjetnih gredica uz njih.

Sučelice ulazu u četvrti paviljon postavljena je struktura za odmor studenata, trapeznog oblika, kombinacija nadstrešnice sa zelenim krovom i pergole, s nizom drvenih screenova i s ugrađenim sjedalnicama.

Posljednji prezentirani prijedlog, COMMUNITIES WITHIN COMMUNITY, radikalno negira postojeći linearni sustav staza i zamjenjuje ga kurvilinearim, a kao rezultat nastaje niz ovalnih i jedan kružni podprostor.

Uz sekundarnu stazu, udaljena od dominantnih smjerova, postavljena je na isti organoliki način oblikovana struktura za sjedenje s više razina, koju u dijelu natkrilju četvrtkružna pergola.

Nakon zahvale dekanice prof.dr.sc. Tajane Krička i voditeljice studija prof.dr.sc. Branke Aničić, slijedi živa rasprava i komentari svih rješenja i njihovih elemenata, a potom i odabir projektnih načela iz pojedinih rješenja, kao vodećih i kvalitetnih elemenata drugih rješenja koje će tek trebati u njih integrirati.

Sumirajući rezultate prvog dijela radionice, mentori su naglasili vrijednost koju ima ovakvo istraživanje kroz šest vrlo različitih pristupa prostoru kampusa i šest isto tako različitih projekata.

fourth pavilion will be removed.

The second one, VISTAS, relates to the vehicular traffic in a similar way, and partly transforms existing and introduces new pedestrian pathways. At the new pathway intersection, a square is formed with a complex structure that is a combination of pergola and a canopy, in several levels and divided into a series of relatively separated subspaces. The colorful plant strips dominate the space and at the same time emphasize and confirm the newly formed direction.

SEPARATE | INTEGRATE, the third proposal enhances incoming, diagonal direction, complements the existing linear pathway system and superimposes on it a new, dominant, curvilinear pathway that extends throughout the central zone, and in front of the fourth pavilion creates a loop which binds with the linearly composed structure with roofed stands, a swing and a series of screens with climbers. All design elements, freestanding benches and flower beds refer to the reinforced diagonal direction.

Traffic, rather the parking lot in front of the fourth pavilion will be completely removed and partly replaced by a new one, by the fifth pavilion south gable.

The next master plan, OASIS OF KNOWLEDGE, minimally reshapes the existing pathway orthogonal grid and superimposes a curved and moon-like system, of earth mounds and flower-beds, which forms a series of subspaces.

Next to the current greenhouse, the future student center, a large circular wooden platform for a diverse assembly is positioned, and within one of the intimate subspaces a rest structure – a series of partially covered wavy benches which pass through the space in stripes. The parking lot in front of the fourth pavilion is significantly reduced and is left only for emergency vehicles.

The pathway radial concept intersects at one point in which a central square is formed and directly relies on the future student center / greenhouse is the main characteristic of the work titled CENTRAL GATHERING ZONE. A secondary intersection of directions forms the entrance squares for the fourth and sixth pavilion and the triangular flower bed system

along them. Facing the fourth pavilion entrance a trapezoidal shape structure for students' rest is placed, a combination of a shelter with a green roof and a pergola, with series of wooden screens and built-in seats.

The last proposal, COMMUNITIES WITHIN COMMUNITY, radically denies the existing linear pathway system and replaces it with curvilinear, and as a result a series of ovals and a circular subspace are formed.

By the secondary pathway, quite distant from the dominant directions, a seating structure shaped in the same organic manner with several levels is placed, and is partially covered with a quarter of the circle pergola.

After the thanks of the Dean and the Head of the School, a lively discussion followed with comments on all the designs and their elements, and then the selection of the project principles extracted from various designs and choosing the leading ones, with quality elements of other designs that yet need to be integrated in them.

Summing up the first part of the workshop results, the mentors emphasized the value of exploring the six very different approaches to the campus area and the six also very different projects.



Superpozicija kurvilinearnih biljnih elemenata, bez radikalnog zahvata u postojeće šetnice, primijenjena u OASIS OF KNOWLEDGE, procjenjuje se kao potentno načelo za razvoj master plana, a linearni elementi strukture predloženi u SEPARATE | INTEGRATE rješenju kao osnova za razvoj boravišne strukture.

U ovu osnovu treba integrirati kvalitetne i zanimljive elemente drugih rješenja: drvene screenove, podprostore s pergolom i natkrivenim zelenim krovom, smjer konstrukcije koji uspostavlja paralelu glavnom pješačkom dijagonalnom pristupu u prostor i koji u nastavku strukture omogućuje direktniji pristup petom paviljonu.

Projekt koji integrira pojedine elemente svih prijedloga, nov je zajednički projekt. U ovoj točki pedagoškog procesa kompeticiju zamjenjuje kolaboracija.

Odmah se formiraju nove internacionalne tematske grupe za razradu pojedinih aspekata ili segmenata projekta, za sintezu projekta i još jedna za dizajn znaka radionice i majice.

Nastavak dana za hrvatske studente je slobodan, a američki i slovenski studenti i mentori pridružuju se vođenoj šetnji po središtu Zagreba.

Na desetak pomno odabranih lokacija prof. Stergaršek drži niz kraćih predavanja na temu *Zagreb – Historical and Recent Urbanism and Architecture*.

Razgled završava kavom na Gornjem gradu, studenti dobivaju zasluženi odmor, a mentori imaju dogovor o daljnjem vođenju radionice.

Tjedan 2.,
29. lipnja - 5. srpnja 2015.

**RAZRADA PROJEKTA –
SURADNJA**

Deveti do dvanaesti dan, studenti u tematskim grupama izrađuju sintezu odabranog master plana, razrađuju boravišnu strukturu, dizajniraju znak i majicu.

Višekratne konzultacije s mentorima svakodnevnog su praksa, istražuju se varijantna rješenja cjeline i detalja. Pri dimenzioniranju građe pomaže statičar, Marko Gazzari, d.i.g.

Dok studenti maštaju i projektiraju prostor koji će u konačnici vlastitim rukama izgraditi za sebe, bore se s detaljima izvedbe, kratkim rokom i zadanim tehnološkim ograničenjima, hrvatski nastavnici, uz redovite konzultacije, imaju pred sobom težak zadatak da im za to osiguraju materijalna sredstva i materijal.

Uobičajeno, Design&Build je maksimalno otvoren kreativan proces. Bitna su ograničenja ipak vremenski okvir radionice, dostupni materijal i tehnologije te relativno oskudno iskustvo izvedbe kod većine studenata.

Proračun je ograničen, ali novac je uvijek unaprijed osiguran. Upravo taj zadnji element u zagrebačkoj radionici izostaje: tek trećinu potrebnog novca osigurava Agronomski fakultet, a za dio potreba postoji obećanje donatora.

Još uvijek samo obećanje!

Uspješna serija svakodnevnih prezentacija projekta donatorima, tik pred izvedbu, donosi olakšanje – osiguran je dio materijala neophodnih za izvedbu strukture: opločenje (Beton Lučko), završna obrada tribina – Béton décoratif (Terra Sol), zeleni krov (Knauf Insulation i Green Box), izvedba metalnih dijelova za namještaj,

The superposition of the curvilinear plant elements, without radical intervention to the existing walks, is applied in OASIS OF KNOWLEDGE, and is estimated as the potent principle for the master plan development, and the linear elements of the structures proposed in the SEPARATE | INTEGRATE design as the basis for the residence structure development.

In this basic concept the most interesting elements from other designs need to be integrated: wooden screens, subspaces with pergola and covered green roof, structure orientation that establishes a parallel to the main diagonal pedestrian access to the space, which in extension enables a more direct access to the fifth pavilion.

The project, which integrates the individual elements of all design proposals, then becomes a new joint project. At this point of the pedagogical process competition is replaced by collaboration.

Right away the new international thematic groups for elaboration of certain aspects or project segments are formed, as well as a group for the project synthesis, and another one for the logo and workshop t-shirt design.

The rest of the day is free for Croatian students, while the American and Slovenian students and mentors join the guided walk in the Zagreb center. Prof. Stergaršek holds a series of short lectures on the topics „Zagreb – Historical and Recent Urbanism and Architecture“.

The tour ends with a coffee in the Upper Town, a well-deserved rest for the students and for the mentors a further discussion on the workshop arrangement follows.

Week 2, 29th June - 05th July, 2015

**PROJECT ELABORATION –
COLLABORATION**

From the 9th till the 12th day, students in thematic groups work on the synthesis of the selected master plan, elaborate a residence structure, design the logo and a t-shirt.

Numerous consultations with the mentors are routine, the alternative design of the whole and details are explored. Marko Gazzari, a structural engineer, helps with the wood structure material dimensioning.

While students are dreaming and designing the space that will ultimately be made by their own hands for themselves, struggle with the construction details, short deadlines and technological limitations, the Croatian teachers, besides regular consultations, have to face difficult tasks to provide financial and material resources.

Usually, Design&Build is a fully open creative process. However, important limitations are the time framework of the workshop, available materials and technologies and relatively meager construction experience of most of the students.

Although the budget is limited, money is always ensured in time. This very last element is missing in the Zagreb workshop: only a third of the money needed ensures the Faculty of Agriculture, and thus two thirds of the project depends on the promises of the donors.

Still only a promise! Luckily the successful series of daily presentations of the project to the donors bears fruit, just before the construction one part of the material necessary for the structure construction is assured: pavement (Beton Lučko), the stands finishing coat Béton décoratif (Terra Sol), green roof (Knauf Insulation and Green Box), furniture metal construction production, pruning trees and plants (Zrinjevac).

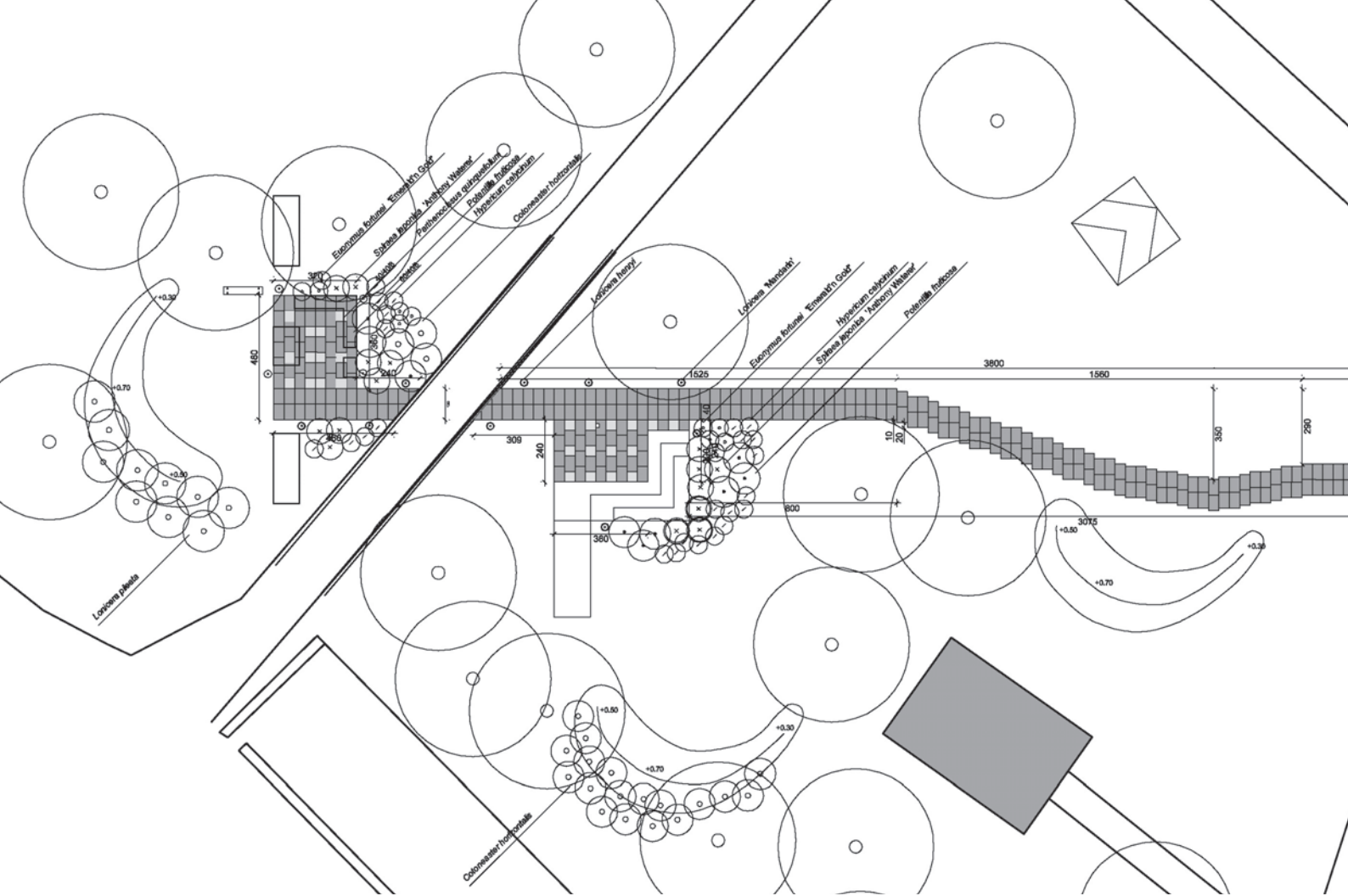




tjedan / week 2

Design & Build - ZAGREB 2015

21



Berberis thunbergii
'Atropurpurea'

Cotoneaster horizontalis

Euonymus fortunei
'Emerald'n Gold'

Hypericum calycinum

Lonicera henryi

Lonicera
'Mandarin'

Lonicera pileata



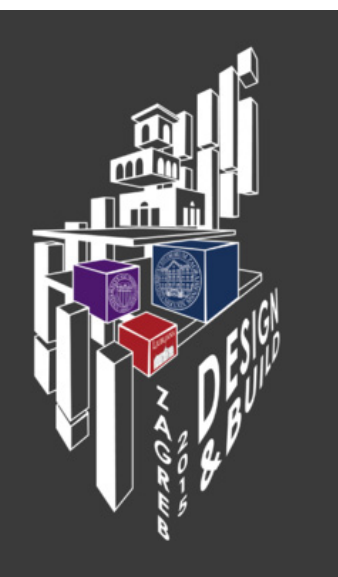
Mahonia aquifolium

Parthenocissus quinquefolium

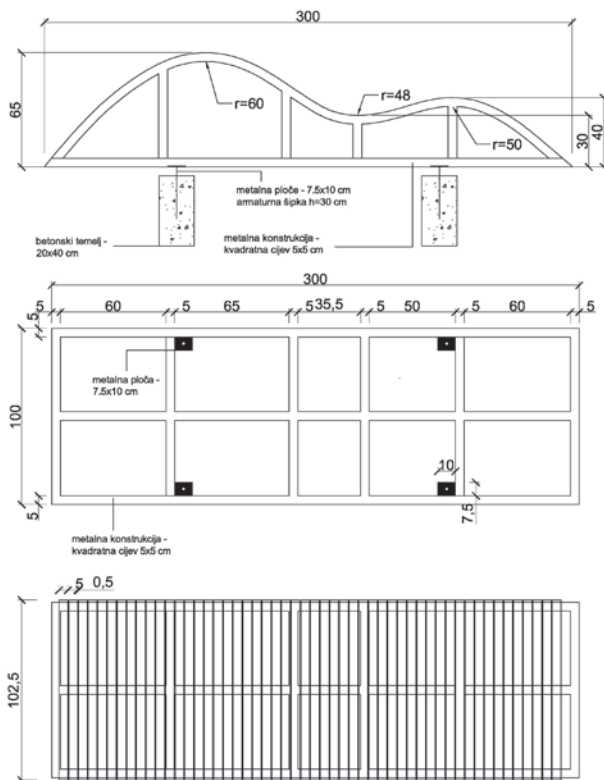
Potentilla fruticosa

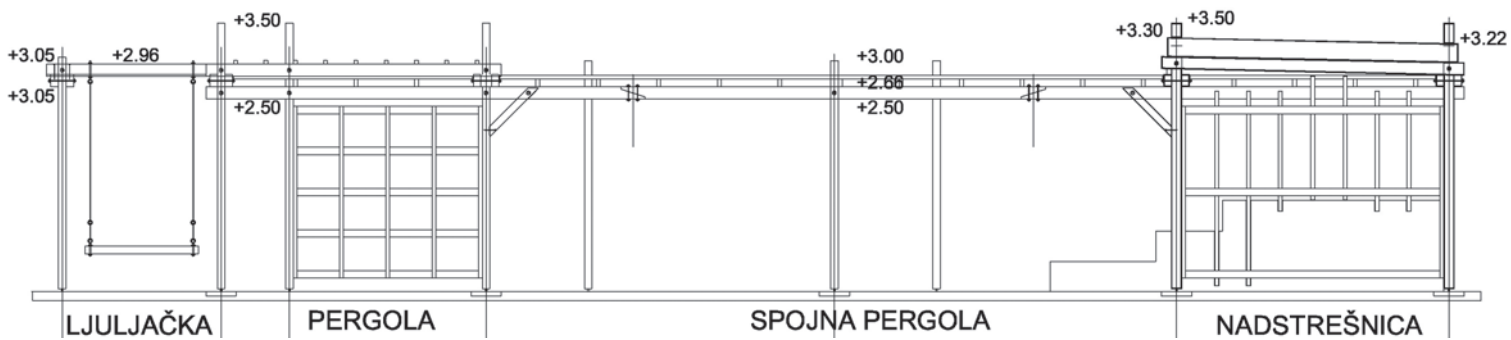
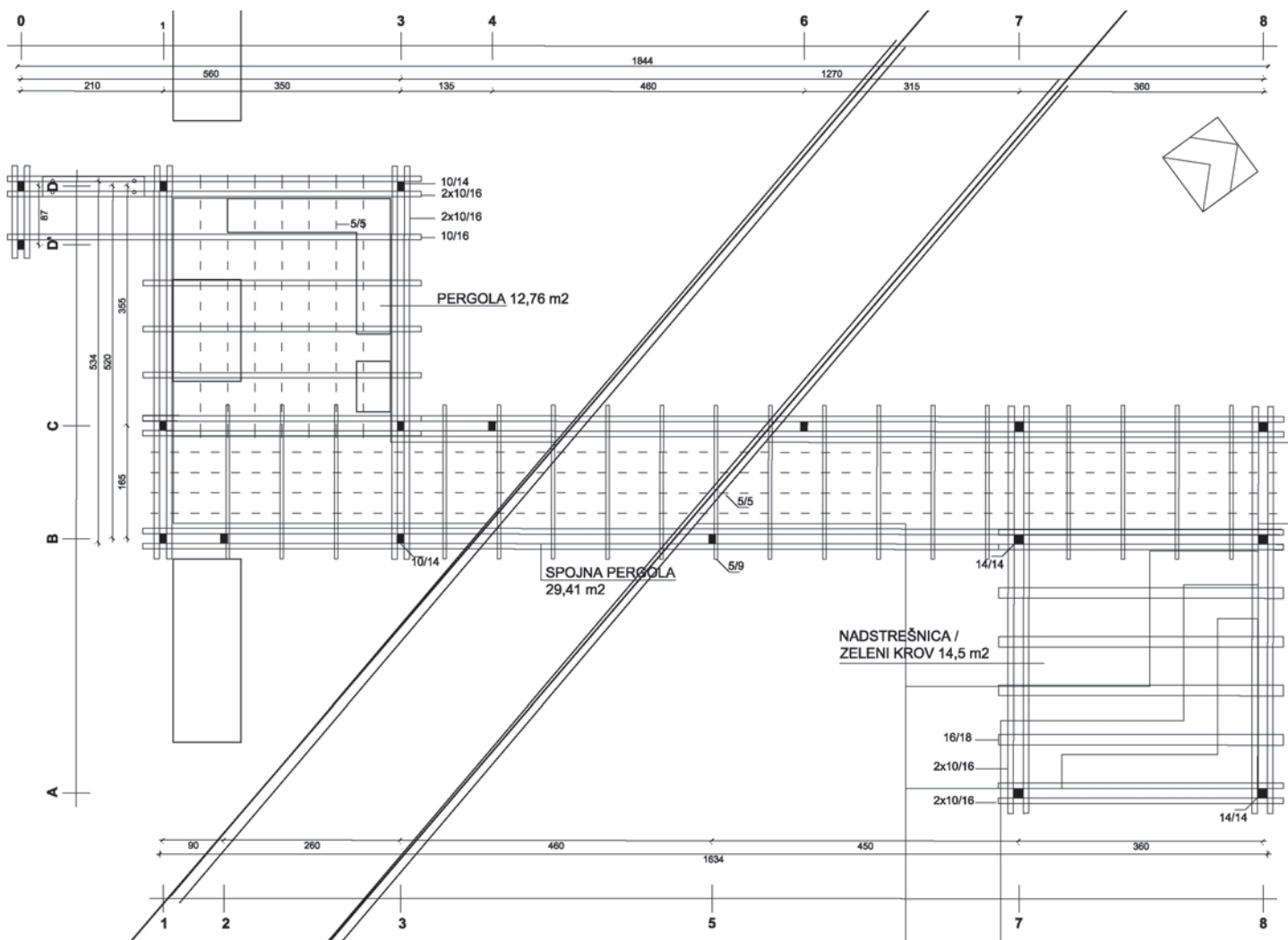
Spiraea japonica
'Anthony Waterer'

Dizajn znaka i majice
Sign & T-shirt Design



Dizajn klupe "Valovi"
"Waves" Bench Design







orezivanje stabala i biljni materijal (Zrinjevac). Darovani materijali postaju obaveza pri projektiranju i nov izazov za mentore i studente. Tijekom rada pridružiti će se novi donatori – strojni iskop (Vrtni design), materijal za iskolčenje, prijevoz dijela materijala, naknadna izvedba dijela staze (Šarec)...

Koliko se god puta od srca zahvalili donatorima, nije dovoljno, jer bez njih i njihovog entuzijazma, susretljivosti i povjerenja, bitan sastavni dio radionice — izvedba, bio bi manjkav ili čak nemoguć.

Projekt je složen i ambiciozan, bitni nacrti su gotovi (u mjeri u kojoj to ovakav ubrzani proces dopušta), izračunane su potrebne količine materijala, napravljene grube kalkulacije troškova i potrebnog vremena, no je li sve skupa izvedivo u tako kratkom roku i s tako napregnutim proračunom?

It's doable!, presuđuje iskusni Daniel.

Valjda ćemo nekako uspjeti!, potvrđuju Iva i Stanko.

Dva dana odmora za studente i nastavnike, pa na izvedbu!

Tjedan 3., 6. - 12. srpnja 2015.

IZVEDBA -
ISKOLČENJE,
ZEMLJANI I
GRAĐEVINSKI RADOVI

„Dan D“, petnaesti dan, započinje predavanjem prof. Winterbottoma: *Construction*, svojevrsnim uvodom u izvedbu.

Konačno stiže i materijal za iskolčenje i nanosnu skelu (donacija Šarec – hvala!) i izvedba može započeti! Dio studenata iscrtava konturu, korigira nacrt iskolčenja, iskolčava teren i izrađuje nanosnu skelu, a dio njih i dalje u Haulikovom ljetnikovcu razrađuje detalje strukture i troškovnik radova.

Upravo otvoreno gradilište koje vrvi zaposlenim studentima pod vodstvom prof. Winterbottoma, tijekom dana posjećuju i dekanica, prof. T. Krička i voditeljica studija KA, prof. B. Aničić. Istovremeno, prof. Stergaršek i doc. Rechner Dika posuđuju i nabavljaju neophodne alate, naručuju i dobavljaju potrebne materijale, koordiniraju aktivnosti s donatorima, uskaču na konzultacije studentima u ljetnikovcu ili na gradilištu...

I tome slično svih sljedećih šesnaest dana – stotine kilometara i nebrojeno mnogo puta u iste ili različite trgovine i skladišta, često i više puta dnevno! I svaki dan zbrajanje potrošenog, jer sredstva su jako ograničena.

Popodne stiže i stroj, mali bager (donacija Vrtni design – hvala!) te jedna večer i prijedodne rada bagerom spašavaju studente od vremenski i tjelesno zahtjevnog širokog iskopa, a radionicu od barem dijela vremenske stiske.

Šesnaesti dan, ručni iskop temelja donosi prve žuljeve.

Fizički rad po nesnosnim vrućinama sljedeće dane sve je veći izazov: betoniranje temelja i ugradnja sidara, armiranje i betoniranje podloge tribina, izrada i vibriranje podloge i postavljanje opločenja. Sve prati naručivanje i nabavka materijala i posuđivanje potrebnog alata.

The donated materials became obligatory in the designing and a new challenge for mentors and students. New donors will join us during the work – mechanical excavation (Vrtni design), material for staking, transport of the material, the subsequent path construction (Šarec).

No matter how many times we heartily thank the donors, it is not enough, because without them and their enthusiasm, kindness and trust, the essential component of the workshop – the construction – would be flawed or even impossible.

The project is complex and ambitious, the relevant drawings are done (as much as the quick process allows), the required amount of material is calculated, the rough calculation of the costs and time is made, but could this be completed altogether in such a short time and with such a tense budget?

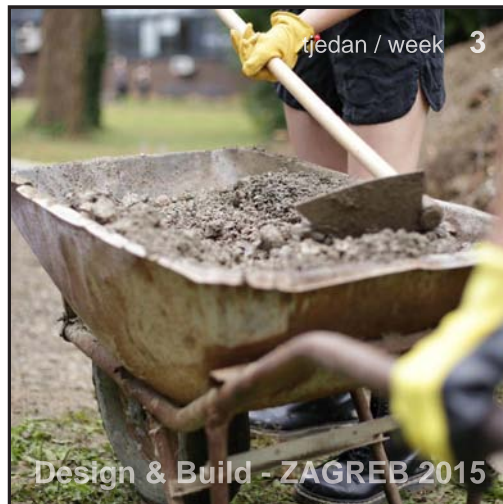
“It's doable!” decides experienced Daniel.

“We will succeed somehow!” confirmed Iva and Stanko.

Two days of rest for students and teachers and then – let's build!

Week 3, 6th - 12th July, 2015

CONSTRUCTION -
STAKING, EARTH AND CONSTRUCTION WORKS



The “D - day”, the fifteenth day, begins with the lecture of prof. Winterbottom: *“Construction”*, an introduction to the building process.

Finally the material for staking arrives (donation by Šarec – thank you!) and the construction can begin!

Some students are drawing the outline, correcting the staking draft, staking out the terrain, some of them are still developing the structure details and the cost estimates at Haulik's mansion.

The construction site, which has just been opened, is full of busy students under the leadership of prof. Winterbottom.

The Dean prof. Tajana Krička and the Head of the School of Landscape Architecture prof. Branka Aničić visit the site during the day.

At the same time, prof. Stergaršek and doc. Rechner Dika borrow and acquire the necessary tools, order and provide the necessary materials, coordinate the activities with donors, “jump in” for the consultation with the students at Hauliks' mansion or at the construction area...

And like this for the next sixteen days – hundreds of kilometers and many times in the same or different shops and warehouses, often several times a day!

And summing up the expenses every day, because the budget is very limited.

Machinery, a small dredger (donation by Vrtni design – thank you!) arrives in the afternoon and saves the students one entire evening and morning of work of what would have been a demanding excavation and saved the workshop valuable time.

The sixteenth day, the manual base excavation brings the first blisters.

Physical work on the unbearably high outside temperature is a growing challenge: concreting the base and positioning anchors, reinforcing and concreting the stands base, laying down and vibrating gravel and setting the pavement. The ordering and renting of necessary tools follows.

Prema prethodnom dogovoru, orezuju se stabla u neposrednom okruženju, a dostavljeni su i metalni okviri za klupe (sve donacija Zrinjevac - hvala!). Podnosi se i prijava radova Gradu i Gradskom zavodu za zaštitu spomenika kulture i prirode, a projekt i tijekom radova prezentira se i tadašnjem prodekanu, izabranom novom dekanu, prof.dr.sc. Zoranu Grgiću.

Devetnaesti dan studenti konačno opet imaju slobodno poslijepodne i organiziraju zajedničko druženje uz roštilj kod Haulikovog ljetnikovca. U pravo vrijeme stiže i poklon osvježavajućih pića Zagrebačke pivovare – hvala! Radni tjedan završava u opuštenuj i ugodnoj atmosferi. Dobava drveta za konstrukciju, očekivana donacija, izostaje i traži se najjeftinije rješenje tog problema. Ritam izvedbe može se malo usporiti, studenti dobivaju slobodan vikend, a prof. Stergaršek, prof. Winterbottom i doc. Rechner Dika u subotu u pilani u Jastrebarskom uspijevaju dogovoriti povoljniju cijenu i brzu isporuku drvene građe.

Kakvo olakšanje, ipak možemo nastaviti radove!

Tjedan 4., 13. - 19. srpnja 2015.

DOVRŠENJE GRAĐEVINSKIH RADOVA I IZVEDBA DRVENE KONSTRUKCIJE

Ponedjeljak, dvadeset drugi dan, nabavka potrebnog alata i materijala, u tijeku je planiranje terena i modeliranje zemljanih tumulusa, stižu siporeks blokovi (prijevoz/donacija Šarec – hvala!) i odmah slijedi zidanje tribina. Drvena građa ipak kasni, dio studenata ne goduje jer nema dovoljno posla.

Dvadeset treći dan nastavlja se sa zidanjem tribina, bojanje se metalni okviri klupa, a u poslijepodnevnom satima, na sveopće veselje, konačno stiže i drvena građa.

U srijedu, dvadeset i četvrti dan, u jutarnjim satima pridružuje nam se stručnjak iz prakse, krajobrazni arhitekt Luka Jelušić. On će dva dana, u odsutnosti prof. Winterbottoma, voditi i organizirati studente i sve radove.

Nakon uvida u projekt, ostaje vidljivo iznenađen veličinom pothvata i količinom posla koji treba izvesti u idućih samo sedam dana!

Kratki dogovor i on raspoređuje studente u grupe te se baca s njima na posao – obrađuje se drvena građa (razrez, blanjanje), odmah se stavlja temeljni premaz, a ubrzo zatim i prvi dekorativni premaz. U improviziranoj radionici, pod krošnjama, istovremeno se dovršava i bojanje metalnih dijelova namještaja.

Prvi elementi drvene konstrukcije spremni su i u večernjim satima već montirani na svoja mjesta!

Tijekom tog prijedpodneva prof. Stergaršek i doc. Rechner Dika prezentiraju cjelokupan koncept Design&Build radionice i sâm zagrebački projekt predstavnicima Gradskog zavoda za zaštitu spomenika kulture i prirode, zajedno obilaze gradilište i dogovaraju daljnji postupak za ishođenje dozvole, a onda ponovno u potragu za donacijama, materijalima, alatima...

Ubrzano se radi usprkos iznimnim vrućinama – temperatura sve do večeri iznosi i više od 40°C!

Radovi s drvenom građom i u četvrtak napreduju izvrsno i konstrukcija, iz sata u sat, sve više poprima konačan oblik.

Petak, 26. dan, prof. Winterbottom se ponovno priključuje Luki Jelušiću u radu sa studentima, radovi se još više ubrzavaju. Još jedna obećana donacija, letvica za namještaj, nenadano otpada.

Nakon neizvjesnog i napetog dana hrvatski nastavnici ih u zadnji trenutak uspijevaju kupiti i organizirati njihovu dostavu. Kako se letvice iskrcavaju, studenti započinju s

According to a previous agreement, the trees in the immediate surroundings are pruned and the metal frames for benches are delivered (all donations by Zrinjevac – thank you!).

Construction work registration is submitted to the City Institute for the Conservation of Cultural and Natural Heritage, and the project is presented to the Vice-Dean at that time and newly elected Dean – prof. Zoran Grgić.

The nineteenth day students finally have a free afternoon and they organize a gathering with barbecue at Hauliks' mansion. At the right moment a donation of refreshments arrives from Zagreb Brewery – thank you! The working week ends in a relaxed and pleasant atmosphere.

The supply of the wood needed for the construction, the expected donation, was not realized, and the cheapest solution to the problem is being searched for. The construction rhythm may slow down a little bit, students get a free weekend. On Saturday prof. Stergaršek, prof. Winterbottom and doc. Rechner Dika negotiate a favorable price and a prompt delivery of lumber from the sawmill in Jasterbarsko. What a relief, we can continue to work!

Week 4, 13th - 19th July, 2015

CONSTRUCTION WORK COMPLETION AND WOODEN STRUCTURE ERECTING

Monday, day 22, the procurement of necessary tools and materials, ongoing terrain planning, earth mounds modeling, the siporex blocks arrival (transport/donation by Šarec – thank you!) and immediately the stands brickwork follows.

The wooden material is late, some students complain because they do not have enough work.

The twenty-third day continues with the brickwork for the stands, the benches metal frames painting, and in the afternoon the wooden material finally arrives.

On Wednesday, the 24th day, in the morning hours Luka Jelušić, our expert practitioner and a landscape architect, joins us. For two days, in the absence of prof. Winterbottom, Luka is going to lead and organize the students and all the work. After reviewing the project, he is visibly surprised by the amount of work that has to be carried out in the remaining seven days!

After making a quick deal, Luka organizes students into groups and starts to work with them – cutting, planing, a primer is immediately placed, and right after this the first decorative paint. Simultaneously, the painting of the furniture's metal parts is completed in an improvised workshop under the trees.

The first elements of the wooden structure are ready and already erected in the evening!

During that morning, prof. Stergaršek and doc. Rechner Dika present the whole Design&Build workshop concept and the Zagreb project to the representatives of the City Institute for the Conservation of Cultural and Natural Heritage, together they visit the construction site and arrange the further permit procedure, and then, off again, into the search for donations, materials, tools...

Work goes on rapidly despite the extreme heat outside – the temperature is over 40°C even in the evening! The work on the wooden structure advances excellently on Thursday as well, and the construction is, hour by hour, increasingly taking its final form.





jedan / week 4

Design & Build - ZAGREB 2015





razrezom, a potom i premazivanjem temeljnom zaštitom. Tijekom dana stižu i posljednji, zaobljeni metalni okviri za klupe (donacija Zrinjevac – hvala!) i odmah idu na bojanje.

Vikend, 27. i 28. dan, radovi su u punom zamahu, puno toga još treba dovršiti, a kraj radionice i svečano otvorenje su za tri dana!

Studenti rade u grupama uz neprestane izmjene, svi trebaju iskušati sve radove: montažu drvene konstrukcije i bojanje, montažu letvica i kompletiranje namještaja... Doc. Rechner Dika i prof. Stergaršek pojačavaju radnu ekipu, pomažu studentima, gletaju tribine.

Nedjelja navečer, tribine su pogletane, posljednje grede pergole i nadstrešnice su na svojim mjestima, Luka Jelušić zadovoljno trlja ruke, pozdravlja se sa svima i odlazi dalje svojim poslom. Zahvaljujući njegovom nesebičnom angažmanu (*pro bono!*), slobodno se može reći da je kritični dio radionice prošao uspješno. Luka, hvala ti, vidimo se! Za dio studenata, nedjeljni noćni rad pod reflektorima bit će potpuno novo iskustvo: slijedi predavanje na gradilištu g. Ivana M. Lisice: *Béton décoratif*, a potom priprema i brušenje tribina i aplikacija prvog dekorativnog sloja (donacija Terra Sol – hvala!).

Tjedan 5., 20. - 21. srpnja 2015. ZAVRŠNI RADOVI

Ponedjeljak, 29. dan i utorak, 30. dan radionice, udarni su dani za završne radove: izradu drvenih ispuna (*screenova*) pergole, montažu podloge i letvica na tribine, nanošenje završnog dekorativnog sloja *Béton décoratif* (donacija Terra Sol – hvala!), zaštićivanje već montiranog drveta, kompletiranje klupa, betoniranje temeljnih stopa za njih i njihovo fiksiranje, finaliziranje zemljanih tumulusa i planiranje zemlje te, paralelno, čišćenje gradilišta i odvoz otpada.

I dizajn znaka radionice je dovršen, a majice su poslane u tisak (donacija Zagrebačka pivovara / Ožujsko pivo – hvala!).



Dan 31., 22. srpnja 2015.

SVEČANO OTVORENJE

Zadnji, 31. dan, još se u jutarnjim satima ubrzano završno čisti i uređuje okoliš. Projekt za dozvolu treba finalizirati hitno, a neke stvari – sadnju biljaka, izvedbu podloge i samog zelenog krova nadstrešnice, dodatna ukrućenja konstrukcije, drugi završni dekorativni premaz drveta i montažu ljujačke, završit će se naknadno, na jesen...

U 10 sati svečano je otvoren nov prostor za boravak studenata, djelatnika fakulteta i svih povremenih korisnika prostora maksimirskog kampusa!

Na skromnoj svečanosti sudionicima i donatorima zahvaljuju se prodekanica za međunarodnu suradnju prof. dr.sc. Renata Bažok, voditeljica studija prof.dr.sc. Branka Aničić, a emocionalno nabijenim govorima i voditelji radionice i mentorima, profesor Daniel Winterbottom, prof. dr.sc. Davorin Gazvoda, doc.dr.sc. Iva Rechner Dika, predstavnici hrvatskih, američkih i slovenskih studenata, a na kraju i prof.art. Stanko Stergaršek koji prostor proglašava otvorenim.

Svečanost završava zajedničkim ručkom; oproštaj – do sljedeće prilike!

Friday, the 26th day, prof. Winterbottom re-joins Luka with his work with students and the work goes on even faster. Another promised donation, planks for the furniture, is unexpectedly canceled and after an uncertain and tense day, Croatian teachers manage to buy them in the last minute and organize the immediate delivery.

As the planks are being unloaded, students start with slitting and priming. During the day the last, rounded metal frames for the benches arrived (donation by Zrinjevac – thank you!) and are painted right away.

During the weekend, the 27th and 28th day, the work is still going on very intensively, a lot remains to be completed, and the end of the workshop and dedication ceremony are coming in just three days.

Students work in groups with constant changes, everybody has to try all types of work: wooden structures assembly, protective painting, completing the furniture...

Doc. Rechner Dika and prof. Stergaršek join the working team and help the students with plastering the stands. On Sunday evening, the stands are smoothed, the pergola and canopy beams are in their place, Luka Jelušić happily greets everyone and takes off. Thanks to his selfless engagement (*pro bono!*), we feel free to say that the critical part of the workshop has passed successfully.

Luka, thank you and see you! For some students, the Sunday night work under the reflectors will be a totally new experience: the lecture at the construction site by Ivan M. Lisica "*Béton décoratif*" follows, and after that a preparation and grinding of the stands, then also the first decorative layer is applied (donation by Terra Sol – thank you!).

Week 5, 20th - 21st July, 2015 THE FINAL WORK

Monday, the 29th day, and Tuesday, the 30th day of the workshop, are kicking days for the final work: production of the pergola's wooden screens, the base and the planks on the stands assembling, laying the final decorative layer *Béton décoratif* (donation by Terra Sol – thank you!), already mounted wood protection, benches completion, benches basic foot concreting and their fixing, the earth mounds finalizing, terrain planning, and, at the same time, cleaning the construction area.

Also, the workshop logo design is ready and t-shirts are sent to print (donation by Zagreb Brewery / Ožujsko beer – thank you!).

Day 31, 22nd July, 2015 DEDICATION

Even on the last, 31st day, we are still quickly cleaning and putting in order the site in the morning.

The project for the permit has to be finalized urgently, and some things - plants planting, the green roof construction, additional construction bracing, second decorative wood coat, and mounting of the swing is going to be finished in the fall...

At 10 a.m. the new space for students, Faculty employees and occasional Maksimir campus passers is officially opened!

During the modest opening ceremony, the Vice-Dean for International Relations, prof. Renata Bažok and the Head of the School of Landscape Architecture, prof. Branka Aničić thank the participants and donors, and also the leaders and mentors of the workshop prof. Daniel Winterbottom, prof. Davorin Gazvoda, doc. Iva Rechner Dika give their emotional speeches, representatives of the Croatian, American and Slovenian students as well, and finally prof. Stanko Stergaršek declares the space officially open.

The ceremony ends with a joint lunch, and then goodbye - until the next opportunity!

DODATNE RADIONICE

Nakon odlaska američkih i slovenskih studenata i profesora, hrvatski su studenti pomogli pri pospremanju Haulikovog ljetnikovca i povratu alata, a hrvatski profesori su još tjedan dana pripremali projekte za dozvolu i bavili se njezinim ishodenjem.

U rujnu je u organizaciji Agronomskog fakulteta iz materijala koji je ranije kupljen ili osiguran iz donacije izveden ostatak staze do paviljona 5.

Kroz četiri dodatne jednodnevne ili dvodnevne radionice tijekom listopada, studenog i prosinca 2015., hrvatski studenti i profesori su montirali krov nadstrešnice, dodatno zaštilili drvo, montirali dodatne ukrute konstrukcije i ljuljačku, kompletirali opločenja i izvršili sadnju bilja, a profesionalni izvođač je izveo hidroizolaciju nadstrešnice (donacija Knauf Insulation – hvala!).

U petoj, dvodnevnoj radionici, početkom travnja 2016., detaljno je očišćen cijeli prostor, podovi i mobilijar, okopane su biljke, posađene penjačice, a zeleni krov (donacija Knauf Insulation – hvala!) izveden je 15.4.2016.

PREDSTAVLJANE REZULTATA RADIONICE

WEB VIDEO KLIP, 22. srpnja 2015.

Na You Tube je postavljen video klip američke studentice Suzi Davison s prikazom gradnje boravišne strukture.

15. DANI ORISA - K.D. Lisinski IZLOŽBA, 17. i 18. listopada 2015.

Tokom tri dana pripremljeno je šest panoa i slikovna prezentacija radionice i postavljena je izložba s video prezentacijom na vlastitom štandu od 10m² (donacija Oris – hvala!) u hallu koncertne dvorane Vatroslav Lisinski.

Tri nastavnika i četiri studenta su tokom dvodnevnog arhitektonskog simpozija s međunarodnim sudjelovanjem Dani ORISA (koji se održava od 2000.g.) posjetiteljima - arhitektima, krajobraznim arhitektima i stručnjacima srodnih profesija prezentirali rezultate radionice.

WEB BROŠURA, 19. listopada 2015.

Izrađena je i na web postavljena brošura s prikazom radionice i izložbe postavljene na 15. danima ORISA.

KUĆA ARHITEKTURE - ORIS

INTERVIEW, PREDAVANJE, 22. listopada 2015.

Na poziv Kuće arhitekture – ORIS, profesor Daniel Winterbottom je odgovarao na pitanja časopisa, a u intervjuu su sudjelovali i prof.art. Stanko Stergaršek i doc.dr.sc. Iva Rechner Dika.

Nakon razgovora, prof. Winterbottom je održao zapaženo predavanje o temi Design&Build koncepta poučavanja, te prikazao sve dosadašnje suradnje i naglasio njihov značaj.

RADIO EMISIJA „ISKUSTVO PROSTORA“ HR-1 i RADIO SLJEME, 5. studenog 2015.

Prilikom gostovanja u Kući arhitekture ORIS snimljena je i radio emisija Sonje Batinić „Iskustvo prostora“, u kojoj su uz prof. Daniela Winterbottoma sudjelovali prof.art. Stanko Stergaršek, doc.dr.sc. Iva Rechner Dika i student Mate Rupić.

Emisija je emitirana na prvom programu Hrvatskog radija i na Radio Sljemenu.

ADDITIONAL WORKSHOPS

After the American and Slovenian students had left, the Croatian students helped put Haulik's summer villa back in order and returned the tools, while Croatian professors were busy for one more week preparing the projects in the appropriate form to obtain the necessary licence.

In September the Faculty of Agriculture had the remaining part of the walkway to the pavillon 5 paved out of material bought or donated for the workshop.

Four subsequent one-day or two-day workshops took place during October, November and December 2015. Croatian students and professors assembled the porch roof, coated the wooden construction, installed construction reinforcement and the swing, finished the tiles, planted the flora and in the end a professional team performed the hydroinsulation of the porch roof (donation of Knauf Insulation – thank you!)

The fifth, two-day workshop, took place in the beginning of April 2016. The entire workshop area, floors and equipment, was thoroughly cleaned, floor plants were hoed up, climbing plants planted and the green roof (donation of Knauf Insulation – thank you!) was laid on 15.4.2016.

PRESENTING THE RESULTS OF THE WORKSHOP

WEB VIDEO CLIP, 22nd July, 2015

The American student Suzi Davison uploaded on YouTube a clip that documents the phases of the structure building.

15th DAYS OF ORIS - Lisinski Concert Hall EXHIBITION, 17th & 18th October, 2015

Six panels were installed in the Vatroslav Lisinski concert hall on the separate 10m² stand (donation of Oris – thank you!), accompanied by a videopresentation of the workshop. It took three days to prepare the material for the exhibition. Days of Oris is a two-day internationally recognised architectural symposium (held continuously since 2000), which attracts architects, landscape architects and specialists of related professions. Three teachers and four students presented the workshop results to the public.

WEB BROCHURE, 19th October, 2015

A brochure was made to document the workshop and the exhibition held on the 15th Days of ORIS.

HOUSE OF ARCHITECTURE - ORIS

INTERVIEW, LECTURE, 22nd October, 2015

The House of Architecture - Oris, invited professor Daniel Winterbottom to give an interview for the Oris magazine. Prof.art. Stanko Stergaršek and doc.dr.sc. Iva Rechner Dika also took part in the interview.

After the interview, professor Winterbottom held an outstanding lecture on the Design&Build teaching concept, described all collaborations realised so far and emphasised their importance.

RADIO BROADCAST „THE EXPERIENCE OF SPACE“, HR-1 & RADIO SLJEME, 5th November, 2015

During the interview in the House of Architecture ORIS a radio broadcast was recorded for “The Experience of Space” by Sonja Batinić, with the participation of professor Daniel Winterbottom, prof.art. Stanko Stergaršek, doc.dr.sc. Iva Rechner Dika and student Mate Rupić.

The interview was broadcasted on Croatian Radio 1 (Hrvatski radio 1) and Radio Sljeme.



DODATNE RADIONICE I PREZENTACIJA

ADDITIONAL WORKSHOPS & PRESENTATION





STRUČNI SKUP S MEĐUNARODNIM SUDJELOVANJEM „SUMMIT U VRTU“ 22. i 23. travnja 2016.

Studij Krajobrazna arhitektura, Agronomski fakultet Sveučilišta u Zagrebu, u suradnji s Hrvatskom komorom arhitekata i Hrvatskim društvom krajobraznih arhitekata te pod pokroviteljstvom Ministarstva graditeljstva i prostornog uređenja i Ministarstva znanosti obrazovanja i sporta, organizirao je 22. i 23.4.2016. Stručni skup s međunarodnim sudjelovanjem „Summit u vrtu“ u sklopu Svjetskog mjeseca krajobrazne arhitekture i povodom Dana planeta Zemlje.

Simpozij je obuhvatio tri osnovne teme: edukacija - praksa - prateća industrija i bio je namijenjen studentima, nastavnicima i profesionalcima s područja krajobrazne arhitekture i arhitekture te je uvršten u program Stalnog stručnog usavršavanja Hrvatske komore arhitekata.

Osim predstavljanja toka i rezultata Design&Build Zagreb 2015, održano je osamnaest predavanja i tri radionice.

Predavači su bili nastavnici Studija, profesori iz Slovenije i SAD, profesionalni krajobrazni arhitekti i arhitekti te stručnjaci iz pratećih djelatnosti.

U sklopu simpozija je postavljena izložba skica studenata i mentorice Mateje Kregar Tršar Študija Krajinska arhitektura iz Ljubljane, kao i izložba maketa studenata zagrebačkog studija Krajobrazna arhitektura.

ZAKLJUČAK

Ljetna međunarodna radionica studenata krajobrazne arhitekture DESIGN&BUILD – Zagreb 2015 treća je radionica te vrste izvedena u suradnji s prof. Daniel Winterbottomom / School of Landscape Architecture, Department of Landscape Architecture / College of Built Environments / University of Washington, Seattle, SAD.

Posebnost ove radionice leži u činjenici da je održana na domicilnom Agronomskom fakultetu s idejom da se detaljno analiziraju svi njezini aspekti i da se na temelju upravo ove analize vrednuje opterećenje studenata i nastavnika, definiraju ishodi ovog specifičnog načina poučavanja i da se kao krajnji cilj, ovaj model uvede u redovitu nastavu studija Krajobrazna arhitektura u Zagrebu.

Značajno je utvrditi da je većina ciljeva koji su bili postavljeni u sklopu kandidature za europski projekt – ESF, unatoč neodobranju europskih sredstava, ispunjena. Kao bitan nedostajući element, za koji vjerujemo da će u najskorijoj budućnosti biti ostvaren, navodimo zasnivanje web-stranice Studija, kroz koju bi se uspješnije predstavljala specifičnost profesije, edukacije koja joj prethodi, kao i svi posebni oblici nastave kojima se ta edukacija već godinama pokušava obogatiti.

Veliki inkluzivni potencijal DESIGN&BUILD modela nastave testiran je i potvrđen kroz razdoblje pripreme radionice kada su njezine posebnosti bile prikazane i pobudile interes više srodnih studija i fakulteta, a posebno je potvrđen sudjelovanjem prof. dr. sc. Davorina Gazvode, dekana Biotehniške fakultete i profesora Študija krajinska arhitektura, Univerze v Ljubljani, Ljubljana, Slovenija, i njegovih studenata na zagrebačkoj radionici.

EXPERTS' CONFERENCE WITH INTERNATIONAL PARTICIPATION “SUMMIT IN THE GARDEN” 22nd and 23rd April, 2016

School of Landscape Architecture, Faculty of Agriculture, University of Zagreb, in cooperation with Croatian Chamber of Architects and Croatian Association of Landscape Architects and under the auspices of the Ministry of Construction and Physical Planning and Ministry of Science, Education and Sport, had organized an experts' conference with international participation called “Summit in the Garden”, which was held on 22nd and 23rd of April 2016 within the framework of the International Month of Landscape Architecture and on the occasion of Earth Day.

The symposium had three basic topics: education – practice – accompanying industry and was dedicated to students, teachers and professionals in the field of landscape architecture and architecture and therefore constitutes a part of Continuous Professional Education of the Croatian Chamber of Architects.

In addition to the presentation of the activities and the results of the Design&Build Zagreb 2015, eighteen lectures and three workshops were held, with the professors of landscape architecture from Zagreb, Ljubljana and USA as speakers, as well as professional landscape architects, architects and experts from the accompanying industries.

During the conference the exhibition of students' and mentor Mateja Kregar Tršar's sketches (School of Landscape Architecture, Ljubljana) was set up, as well as the students' model exhibition (School of Landscape Architecture, Zagreb).

CONCLUSION

The International landscape architecture student summer workshop DESIGN&BUILD – Zagreb 2015 is the third workshop of this type carried out in collaboration with professor Daniel Winterbottom from the School of Landscape Architecture, Department of Landscape Architecture / College of Built Environments / University of Washington, Seattle, USA.

The particularity of this workshop is the fact that it took place on the Croatian domestic

Faculty of Agriculture with the idea that all its aspects should be analyzed, student and teacher engagement evaluated and teaching outcomes of this unique teaching method defined and, as a final goal, so that the introduction of this teaching/learning model could be implemented into the regular education of the School of Landscape Architecture, Zagreb.

It is important to say that most of the goals that were set within the application for the European project – ESF, have been achieved, despite the fact that the European funds were not realized.

As an important missing element, throughout which the specificities of the profession and the special forms that have enriched education during this past period, could effectively be communicated (which we believe could be soon realized) through the establishment of a web page of the Zagreb School.

The huge inclusive potential of the DESIGN&BUILD teaching/learning model was tested and confirmed through a workshop preparation period when its unique qualities were presented and generated interest of the several related studies and faculties, and was especially confirmed through participation of professor Davorin Gazvoda, Ph.D., the Dean of the Biotechnical Faculty and professor of School of Landscape Architecture, University of Ljubljana, Slovenia and his students.



Vjerujemo da za naš studij koji je osobit po svojem inter-fakultetskom i interdisciplinarnom karakteru, kao i za domicilni Agronomski fakultet u cjelini, ovakav specifičan program predstavlja značajnu vrijednost u vlastitoj profilaciji i međunarodnoj prepoznatljivosti.

Nadamo se da će Studij i u budućnosti, još u većoj mjeri, uživati podršku Fakulteta pri zasnivanju Design&Build programa kao djela master programa na engleskom jeziku.

Osobito nas veseli što se u svakodnevici vidi da su studenti, ali i djelatnici i prolaznici, prigrlili novi prostor i intenzivno ga koriste za odmor i učenje.

I na kraju – zašto DESIGN&BUILD uporno pišemo sastavljeno, a ne nesastavljeno kako to Hrvatski pravopis propisuje?

Zbog toga što je u ovom inovativnom konceptu podučavanja nemoguće odvojiti oblikovanje od izgradnje!

P.S. Cijelu Design&Build avanturu može se doživjeti i kao susret u kojem smo, u odsudnom trenutku, Kairosa uspjeli uhvatiti za njegov srećonosni čuperak.

Za te tri izuzetne suradnje gotovo da i ne postoji sažetiji i točniji opis!

Sad je trenutak za rezimiranje i za traženje sustavnih rješenja, vjerujemo, uz pomoć našeg Agronomskog fakulteta, našeg Sveučilišta u Zagrebu i našeg Ministarstva znanosti, obrazovanja i sporta.

ZA ONE KOJI ŽELE ZNATI VIŠE

(iz mrežnog izdanja Enciklopedije Leksikografskog zavoda Miroslav Krleža)
<http://www.enciklopedija.hr/natuknica.aspx?id=29799>

Kairos

(grč. *καιρός*: prava mjera; pogodan čas)

1. U starih Grka, pravi čas ili prava prigoda koja je za pojedinca sudbonosna i koju čovjek mora znati iskoristiti, personificirana u liku Kairosa, koji je redovito prikazivan kao gol mladić na kugli, s krilima na leđima ili nogama te s nožem i vagom u rukama.

“A zašto ti kosa pada niz čelo?

Da me može uhvatiti, tko mi dođe u susret.

Zašto si na zatiljku bez kose?

Kada krilatim nogama jednom poletim, nitko me neće uhvatiti straga, ma koliko to želio.”

(Posidipov epigram o Lizipovu kipu Kairosa)

Među sačuvanim antičkim spomenicima s Kairosovim likom, kojih ima malo, ističe se reljef iz Trogira, rađen, vjerojatno u I. st., prema Lizipovu izvorniku.

(Slika: KAIROS, Trogir, Zbirka samostana sv. Nikole)

We believe that for our School, which is specific for its cross-faculty and interdisciplinary character, as well as for the Faculty as a whole, this unique program represents a significant value for raising its profile and international recognizability.

We hope that, in the future, the School will have even more support from the Faculty in the pursuit of establishing the Design&Build program as a part of Masters' program in English.

We are very pleased to see that students and staff embraced this new structure in everyday use, as it has become a popular meeting place for rest and learning.

Finally, why do we write DESIGN&BUILD together, not separately as the spelling requires?

Simply because in this innovative teaching/learning concept it is impossible to separate the design from the building!

P.S. The entire Design&Build adventure can also be seen as a very fortunate encounter that happened in the most critical moment in which we managed to grab Kairos by his lucky tuft.



There can hardly be a better or a more concise way to describe these three outstanding collaborations.

Now is the time to summarize these achievements and to find a way to fit them into the system with the help of our Faculty of Agriculture, our University of Zagreb and our Ministry of Science, Education and Sport.

FOR THOSE WHO WANT TO KNOW MORE

(an extract from the online Encyclopedia of the Croatian Lexicographical Institute „Miroslav Krleža“)
<http://www.enciklopedija.hr/natuknica.aspx?id=29799>

Kairos

(Greek: *καιρός*: right measure; opportune moment)

1. In ancient Greece, the right moment or the right opportunity which a man must seize and which decides ones destiny, personified in Kairos, customarily presented as a nude young man on a sphere, with wings on his back or on his feet, carrying a knife and a scale in his hands.

“And why does your hair fall on your forehead?

So that he can grab me, whoever comes towards me.

Why is there no hair on the back of your head?

For once I fly away on my winged feet noone can grab me, however hard he wishes to.”

(Posidippus's epigram on the Lysippos's statue of Kairos)

One of the few remaining monuments displaying Kairos is the outstanding relief in Trogir, dated in 1st century, probably made after the Lysippos's original.

(Photograph: KAIROS, Trogir, Convent of St Nicolas's Collection)

POGOVOR

Međunarodna aktivnost/suradnja među sveučilištima širom svijeta, stara je i jedna od najpozitivnijih tradicija u akademskom svijetu. Začeta je kao nužna potreba kad su studenti, „u stara vremena“, morali kretati na put oko svijeta da bi studirali i radili sa stručnjacima iz njihovog područja interesa. Svakodnevni kontakt s mentorima, istraživački rad u stranim ustanovama i uporaba bogate knjižnične građe kakvu ne bi imali na domaćoj *Alma mater*, bili su razlozi za internacionalizaciju sveučilišta.

Suvremeno doba i nastanak virtualnog svijeta donose nove mogućnosti studiranja. Nije iznenađujuće da je najraniji internet protokol bio trenutno prigrljen od akademske zajednice i postao jedan od glavnih alata koji povezuju znanstvenike u jedinstvenu međunarodnu akademsku zajednicu. Iako je digitalna era omogućila svakodnevne kontakte koji ne podrazumijevaju samo ograničenu komunikaciju kroz pisma, e-mail poruke, skype pozive i sl., već može biti unaprijeđena u vrlo korisno radno okruženje i okruženje za razmjenu, osobni kontakt i osobni odnosi zadržali su ključnu važnost.

Naročito kod profesija, kao što je to krajobrazna arhitektura, kod kojih je glavni interes bavljenje s fizičkim prostorom, prirodom, bez obzira što s njom čini – bilo da ju štitimo ili mijenjamo. Na području krajobraznog oblikovanja studenti u sklopu studija uče kako oblikovati novi prostor, novi krajobraz.

Metode učenja uobičajene su i manje-više slične na svim studijima krajobrazne arhitekture, ali u izvjesnoj mjeri obilježava ih osobni pristup, *modus operandi*, nastavnika. Uvriježeno je da studenti na studiju uče od „majstora“. To ujedno podrazumijeva da studenti više nauče od više „majstora“. Zato je za studente neizmjerljivo važno ne samo da se na oblikovnim predmetima izmjenjuju nastavnici, već i da imaju priliku raditi i s nastavnicima s drugih škola koje njeguju drugačije oblikovne filozofije i koji su drugačijih oblikovnih orijentacija.

Nepotrebno je naglašavati da studiranje u stranoj zemlji, u različitom kulturnom, socijalnom i političkom okruženju unaprijeđuje iskustvo studenta. Udruživanje američkih, hrvatskih i slovenskih studenata na ljetnoj radionici Design&Build, planirano je i pažljivo vođeno idejom o tri glavna cilja.

Prvi, studenti rade sa stranim nastavnicima i trebaju se prilagoditi novim metodama poučavanja, kao i osobnim pristupima krajobraznom oblikovanju.

Drugi, studenti u internacionalnim grupama ponekad uče čak i više učeći jedni od drugih.

Treći, ali ne i zadnji, u Design&Build radionici studenti mogu svoje oblikovne ideje ostvariti i u realnom prostoru.

Rad je započeo kao bilo koji sličan rad na oblikovnom predmetu nizom predavanja i prezentacija oblikovnih problema i nastavio se analitičkom fazom kroz koju studenti nastoje shvatiti prostorni i društveni kontekst zagrebačkog kampusa.

U slijedećoj, kreativnoj fazi, studenti su oblikovali širi prostor unutar granica kampusa i nakon toga se usredotočili na odabrani prostor koji će na kraju biti i izveden.

Ta posljednja faza u kojoj studenti kreiraju, izgrađuju stvarni fizički okoliš, vjerojatno je najviši stupanj pedagoškog procesa u krajobraznom oblikovanju.

Tijekom radionice uspostavljeni brojni osobni kontakti između studenata i između nastavnika obećavaju nastavljavanje istog modela suradnje na nekom novom mjestu, nadajmo se i nekoj drugoj zemlji...

Prof.dr.sc. Davorin Gazvoda
Univerza v Ljubljani
Biotehniška Fakulteta
Oddelek za krajinsko arhitekturo
Študij Krajinska arhitektura

EPILOGUE

International activity among universities worldwide is old and one of the most positive traditions in academic world. It started as an urgent need when students „in old times“ had to travel almost across the World in order to study and work with the expert from their field of interest. Every day contact with the advisor, research work in foreign facilities and use of rich library material that one wouldn't have at domestic *Alma mater* were reasons for internationalization of universities.

Modern era and birth of virtual world brought new possibilities for studies. There is no surprise that the earliest Internet Protocol was immediately adopted by academic environment and became one of the main widgets that made scholars' efforts incorporated into international academic community. Although digital era enabled daily contacts that are not just limited to correspondence i.e. letters, e-mail messages, skype calls etc. but can be upgraded into a helpful and useful working and exchange environment, a physical contact and personal relationships remained of crucial importance.

Especially in a profession like landscape architecture in which our main goal is to deal with physical space, the landscape regardless what we do with it: either to protect or change it. In a field of landscape design students learn in design studio how to design a new space, new landscape.

Teaching methods are common, more or less similar through landscape architectural schools but are to a certain level marked by personal approach, *modus operandi* of a teacher. It is a tradition nourished at schools that students learn from „the master“. This also means that students learn more when they can learn from more „masters“. For that reason it is very important in design studios not only to change a teacher but also to have a chance to work with one from other school which can have different design philosophy and design orientation. Needless to say that students studying at school in a foreign country with different cultural, social and political space maximize their experience. Merging American, Croatian and Slovenian students in a summer workshop Design&Build was planned and carefully conducted idea with three main goals.

First, students worked with foreign teachers and had to adapt to new teaching methods and personal approaches to landscape design.

Second, students in international groups learn sometimes even more from each other.

And last but not least, in Design&Build workshop students could implement their design ideas in a real space.

Work started as any similar work in design studio by a set of lectures, presentations of design problems, an analytical phase through which students tried to understand spatial and social context of Zagreb campus.

In a creative phase that followed, students designed a wider area inside campus and then focused on a chosen concrete space that was then actually built up.

This last phase in which students created, made a physical environment was probably the highest level of pedagogical aims in landscape design.

Many personal contacts among students and teachers were established during the workshop that promise to continue the same model in another site, hopefully in another country...

Professor Davorin Gazvoda
University of Ljubljana
Biotechnical Faculty
Department of Landscape Architecture
School of Landscape Architecture

BROJKE I ČINJENICE

Ambicija da se detaljno "izmijere" svi parametri izvedene radionice kako bi bili primjenjivi pri kvantificiranju budućih radionica, ali i kako bi se prikupljeni podaci mogli koristiti pri normiranju opterećenja nastavnika i studenata u svrhu uvođenja Design&Build programa u redovitu nastavu, pokazala se u praksi kao nemali izazov. Tempo odvijanja radionice, zahtjevnost istovremenog sudjelovanja u edukativnom procesu, njegovog vođenja i usmjeravanja, nabavi materijala, komuniciranju i rješavanju svakodnevnih problema, kao i deficit uključenog kadra, nisu ostavljali dovoljno vremena da se svakodnevno detaljno i analitički vodi dnevnik radionice.

Srećom, postojanje bogate fotodokumentacije (više od 3500 fotografija), omogućilo je periodično rekonstrukciju dnevnih aktivnosti, a prikupljeni računi rekonstrukciju barem onih evidentnih službenih troškova.

Podatci sređeni po kategorijama i s popratnim tekstom, predstavljeni u detaljnom izvješću, opsežno su gradivo neprimjereno ovoj brošuri, no ovdje je možda vrijedno navesti samo zaključke pojedinih poglavlja.

TRAJANJE / DURATION

Ukupno / Total

22. lipnja - 22. srpnja 2015. / 22nd of June - 22nd of July 2015

31 dan / days,

uključivo vikende (8) i praznike (2) / including weekends (8) and holidays (2)

27 radnih dana / working days

FACTS & FIGURES

The ambition for a detailed "measurement" of all workshop parameters so they could be applied to quantify the future workshops, but also that all the collected data could be used for standardization of the teachers and students time engagement, in order to introduce Design&Build program in a regular education, showed up as a significant challenge in practice. The pace of the workshop, demanding simultaneous participation in the educational process, its leadership and guidance, procurement of the material, communication and solving everyday problems as well as the deficit of involved staff, did not leave enough time to, in detail and analytically, keep the workshop diary.

Fortunately, the existence of a rich photographic documentation (more than 3500 photos) enabled a periodical reconstruction of daily activities, and the collected bills at least enabled the reconstruction of everyday expenses.

The data arranged by categories (and with the accompanying text) presented in a detailed report is extensive and inappropriate to this brochure, but it is perhaps worth to present the conclusions of the individual chapters.

	TOTAL	ZAGREB Hrvatska	SEATTLE U S A	LJUBLJANA Slovenija
SUDIONICI / PARTICIPANTS				
- studenti / students	34	17	14	3
- nastavnici - mentori / teachers – mentors	4	2	1	1
- stručnjak iz prakse / expert from practice	1	1		
- nastavnici - ko-mentori / teachers – co-mentors	3	3		
UKUPNO / TOTAL	42	23	15	4

ODRAĐENA SATNICA / WORKED OFF SCHEDULE

- studenti / students (113 - 236 rs/wh)	6904	2923	3301	680
- nastavnici - mentori / teachers – mentors	763	488	218	57
- stručnjak iz prakse / expert from practice	55	55		
- nastavnici - ko-mentori / teachers – co-mentors	32	32		
UKUPNO / TOTAL radnih sati / working hours	7754	3498	3519	737

DODATNE RADIONICE I PREZENTACIJA PROJEKTA ADDITIONAL WORKSHOPS & PROJECT PRESENTATION

- studenti / students	370	370		
- nastavnici - mentori / teachers – mentors	227	222	5	
- stručnjak iz prakse / expert from practice				
- nastavnici - ko-mentori / teachers – co-mentors				
UKUPNO / TOTAL radnih sati / working hours	597	592	5	0

RADIONICA + DODATNO / WORKSHOP + ADDITIONAL

- studenti / students	7274	3293	3301	680
- nastavnici - mentori / teachers – mentors	990	710	223	57
- stručnjak iz prakse / expert from practice	55	55		
- nastavnici - ko-mentori / teachers – co-mentors	32	32		
UKUPNO / TOTAL radnih sati / working hours	8351	4090	3524	737

STRUKTURA TROŠKOVA / COST STRUCTURE

- alati (kupnja i najam) / Tools (purchase and rent)	7%
- zemljani i građevinski radovi, opločenje / Earth work and constructive work, pavement	25%
- drvena konstrukcija i namještaj / Wooden structure and furniture	44%
- prijevoz i ostali troškovi / Transport and other costs	9%
- prezentacija radionice / Workshop presentation	15%

STRUKTURA FINANCIRANJA (svi troškovi) / FINANCING STRUCTURE (All Costs)

- Agronomski fakultet / Faculty of Agriculture	1/4
- donacije / Donations	3/4

STRUKTURA FINANCIRANJA / FINANCING STRUCTURE

(bez troškova prezentacije) / (no presentation cost)

- Agronomski fakultet / Faculty of Agriculture	1/3
- donacije / Donations	2/3

POPIS SUDIONIKA / LIST OF PARTICIPANTS

Studenti / Students:

1	Aaron	BEATTIE	University of Washington	SAD
2	Tyler	BRITTAIN	University of Washington	SAD
3	Holly	CHAN	University of Washington	SAD
4	Marina	ČVETKOVIĆ	Sveučilište u Zagrebu	Hrvatska
5	Lovro	ČUK	Sveučilište u Zagrebu	Hrvatska
6	Suzi	DAVISON	University of Washington	SAD
7	Ela	FILIPEC	Sveučilište u Zagrebu	Hrvatska
8	Jure	GUBANC	Univerza v Ljubljani	Slovenija
9	Wyatt	HOFFMAN	University of Washington	SAD
10	Gina	KIM	University of Washington	SAD
11	David	KRAMARIĆ	Sveučilište u Zagrebu	Hrvatska
12	Tomislav	KRNAČ	Univerza v Ljubljani	Slovenija
13	Zrinka	MARANIĆ	Sveučilište u Zagrebu	Hrvatska
14	Nika	MARN	Univerza v Ljubljani	Slovenija
15	Jelena	MIHALIĆ	Sveučilište u Zagrebu	Hrvatska
16	Helena	MIHOLIĆ	Sveučilište u Zagrebu	Hrvatska
17	Nicole	NAKAKURA	Cornell University	SAD
18	Nina	PERKOVIĆ	Sveučilište u Zagrebu	Hrvatska
19	Aryuna	POŠELENOVA	University of Washington	Rusija
20	Filipa	RAJIĆ	Sveučilište u Zagrebu	Hrvatska
21	Martina	RIMAC	Sveučilište u Zagrebu	Hrvatska
22	Jen	ROWE	Cornell University	SAD
23	Mate	RUPIĆ	Sveučilište u Zagrebu	Hrvatska
24	Xinyuan	SHEN	University of Washington	SAD / Kina
25	Kate	SHROSBREE	University of Idaho	SAD
26	Marijo	ŠPAJIĆ	Sveučilište u Zagrebu	Hrvatska
27	Lana	ŠABAN	Sveučilište u Zagrebu	Hrvatska
28	Ivana	ŠIMAG	Sveučilište u Zagrebu	Hrvatska
29	Hayden	TAUSCHER	University of Washington	SAD
30	Royce	UTTERBACK	University of Washington	SAD
31	Mirna	VARAT	Sveučilište u Zagrebu	Hrvatska
32	Zinka	ZAKARIJA	Sveučilište u Zagrebu	Hrvatska
33	Alexis	ZHENG	University of Washington	Kina
34	Ines	ZUNIĆ	Sveučilište u Zagrebu	Hrvatska

Mentori / Mentors:

professor	Daniel	WINTERBOTTOM	University of Washington	SAD
prof.dr.sc.	Davorin	GAZVODA	Univerza v Ljubljani	Slovenija
prof.art.	Stanko	STERGARŠEK	Sveučilište u Zagrebu	Hrvatska
doc.dr.sc.	Iva	RECHNER DIKA	Sveučilište u Zagrebu	Hrvatska

Stručnjak iz prakse / Expert from practice:

kraj.arh.	Luka	JELUŠIĆ		Hrvatska / Švedska
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Ko-mentori / Ko-mentors:

dr.sc.	Ines	HRDALO	Sveučilište u Zagrebu	Hrvatska
prof.dr.sc.	Branka	ANIČIĆ	Sveučilište u Zagrebu	Hrvatska
doc.dr.sc.	Petra	PEREKOVIĆ	Sveučilište u Zagrebu	Hrvatska





TKO JE TKO?

WHO IS WHO?



University of Ljubljana



SUDIONICI
PARTICIPANTS

ZAGREB
Hrvatska

SEATTLE
U S A

LJUBLJANA
Slovenija

STUDIJI KRAJOBRAZNE ARHITEKTURE
SCHOOLS OF LANDSCAPE ARCHITECTURE

ORGANIZACIJA
ORGANIZATION

Studij Krajobrazna arhitektura
Agronomski fakultet Sveučilišta u Zagrebu

INVESTITOR
INVESTOR

Sveučilište u Zagrebu
Agronomski fakultet



PARTNERI
PARTNERS

Geodetski fakultet Sveučilišta u Zagrebu
Zagreb



Udruženje studenata
krajobrazne arhitekture - Zagreb



ORIS - časopis za arhitekturu
Kuća arhitekture ORIS
Dani ORISA - Zagreb

oris

MEDIJSKI POKROVITELJ
MEDIA PARTNER



DONATORI
DONORS

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Zagrebački holding d.o.o.
Podružnica ZRINJEVAC - Zagreb



Knauf Insulation d.o.o.
Novi Marof



Green Box d.o.o.
Zagreb



Terra Sol d.o.o.
Zagreb



Vrtni design d.o.o.
Zagreb



Zagrebačka pivovara d.o.o.
OŽUJSKO PIVO
Zagreb



HVALA VAM !!!
THANK YOU !!!

MEDIJI / MEDIA

D&B RAB 2012

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