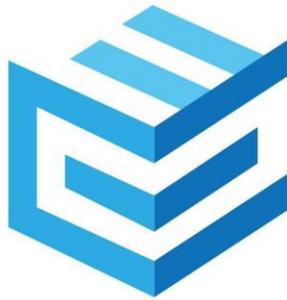


Learning Bundle for Architects

Summer Program 2019



**EUROPEAN CENTRE
FOR CAREER EDUCATION**



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Architects Working Abroad

(Milan Svatek, Architect, 8.7., 10:30am – 12pm)

In a globalized world architecture is one of the most international professions and business endeavors, starting already with many students studying abroad all the way up to “star” architects like Frank Gehry, Zaha Hadid, BIG and others, with wide-ranging international portfolios of prestigious projects. One does not have to be a “star” architect to be engaged in international work. Often architects find different working and business practices while on their international projects abroad, encounter different ways of working with authorities and local consultants as well as different cultures and lifestyles in general. Such work, which includes travelling or living abroad, can be exciting and highly satisfying but it also has many pitfalls. In this course we will share our direct experience of working in several different parts of the world, namely Canada, the Czech Republic, The Emirates and China (plus Mongolia).

Hotel and Commercial Residential Architecture

(Sean Clifton, Architect, Director, Jestico + Whiles, 8.7., 9am – 12pm)

This lecture will cover how to design and build award-winning residential and hotel buildings, demonstrated with examples from Jestico + Whiles Architects’ projects around the world. Besides explaining the architectural and planning approach to designing visually attractive and well-functioning buildings, the lecture’s focus will be on the commercial aspects of design, on understanding markets and on successful design formulas for attracting visitors and guests to hotels, or buyers for residential projects. We will show how to satisfy developers without compromising on quality of design.

19th and 20th Century Czech Architecture

(Ing. arch Klara Bruhova, PhD., 9.7., 9am -4pm)

Lecture and tour of relevant 20th-century buildings.
From historicism to modern architecture.

We will discuss the reconstruction of Jewish Town Prague at the turn of the 19th and 20th century. To solve the unsatisfactory living conditions in the ghetto, the whole of Prague’s Old Town was demolished and rebuilt. A new representative part of the city grew within a few years, and its architecture included both traditional historicized houses and buildings with new aesthetics, that stood at the beginning of a modernist approach to architecture in our country. We will go see a variety of the most interesting buildings by celebrated Czech architects.

Cubist Architecture.

One of the branches of Czech modernism can be seen in the so-called Cubist Architecture. It is highly probable that you are familiar with French Cubism through paintings by Pablo Picasso or Georges Braque. Lesser known is the fact that alongside the French, a singular style developed in the Czech Lands, called Cubist Architecture. We will try to understand its characteristics and we will explore some of its most interesting examples both in architecture and design.

Interwar Modernism.

We will also explore several examples of interwar Czech architecture - from Functionalism to more specific and personalized concepts. Functionalism was part of the worldwide tendency towards an analytical approach to the function of buildings, a strictly rational use of new materials and technologies, openness to structural innovation and most importantly the elimination of ornament. However, Functionalism was not the only style in interwar Czechoslovakia. We can also find other, quite sophisticated approaches that built more on history and traditions. Again, we will visit some of the finest examples and get new insights e.g. into the remarkable visual language of Slovenian architect Jože Plečnik or his Czech colleague Bohumil Hübschmann.

Postwar Tendencies

As part of the excursion within Prague, we will also focus on post-war architecture and its forms - such as Brutalism or Concrete Sculpturalism. We will see works by renowned Czech architects including Karel Prager, Karel Filsak or Stanislav Hubička.

Architecture Dictionary

(David Friday. Building News, 10.7., 2pm – 5pm)

An architect's career is certainly based on acuity in design, but it also involves significant communication, starting with the investors and/or developers of the projects they are commissioned to work on. This lesson will go over some of the commonly used terminology in the industry, which will help the future or budding architect negotiate his/her way through the project's lifecycle, from inception to realization. The majority of projects are designed to be commercially viable, so there is necessarily a financial and commercial vocabulary associated with them. Knowing them helps the architect in his/her coordination with not only developers and investors, but also with city authorities, bankers, lawyers, media or other stakeholders.

City of Prague - Collage or Composition

(Prof.ing.arch. R.Voticky, dip.arch (Kingston),RIBA,CKA,FSAI,Rome Scholar, 10.7., 2:30pm – 5pm)

The talk will take a global view of the general form of settlements on various continents and will gradually focus on Central Europe. It will explain the key characteristics of the development and urbanism of selected places, such as Athens, Rome, Paris, Barcelona or London and will compare them to the major events in the development of the city of Prague. Like other cities in Central Europe, the historical context is present in all the planning, development or architectural work in the city.

Working with the historic imprint makes this part of the world a very specific experience and knowing how to deal with the historical context provides the students with an expertise not found in other parts of the world.

Career Development

(Arch. Ondřej Chybik, Chybik + Kristof Architects, 12.7., 9am to 12pm)

Ondřej is one of the two principals of Chybik + Kristof Architects and Urban Designers. He will share with the students his story of the last 7 years in the studio's development. In such a short period they have built a team of 50+ architects and recently have been working on more than 40 projects all around the world. He will show you the keystones of his career and will describe the importance of naivety and courage for the evolution of the studio.

Shopping Centre Design

(Filip Pokorný, Ing. arch., Director, Chapman Taylor, 12.7., 2pm.-5pm)

Shopping centres' design has been constantly evolving since the introduction of food courts and multiplex cinemas in 1980s. The most recent changes to shopping centre design have been forced by the growth of online shopping. In this course the students will learn about shopping centre design mainly from the point of view of how the design of certain key features will affect the commercial success of the centre, i.e. will attract and bring in tenants, shoppers and other visitors. Some of these are: accessibility, visibility from the street and pattern of circulation, the proper mix of uses and the right mix of shop sizes, the right combination of retail, food and beverage, entertainment and public spaces, and anchor shops. How to achieve this and how to satisfy developers without compromising the quality of architectural design will be demonstrated through examples of shopping centres designed by Chapman Taylor in various parts of the world.

Design Workshops for Design Project Assignment

(Jan Dolna, Architect, DAM Architekti, Jaroslav Wertig, Architect, A69 Architekti, 15.7. 9am – 12pm, 22.7., 9am – 12pm, plus 2 presentations during internships, 2.8. 4:30pm – 6:30pm, 19.8. 6:30pm – 8:30pm)

In parallel with lectures, students will engage in a design assignment, which will be issued on the first day of the program. The nature of the project will relate to the general business-oriented content of the lectures and to the goal of the school to advance practical skills not necessarily taught at schools. The theme will be to design a small, city-based hotel (approx. 60 beds). The aim of the exercise is to design for a real site in Prague, to generate a study of a hotel with a functional scheme of disposition and shape (architecture), while responding to aspects of the building site and to commercial success requirements to attract guests. We will hold two consultations (workshops), led by Czech architects

Jaroslav Wertig and Jan Holna. In the end, the students will present their work to other students, lecturers and visiting architecture critics.

Smart Homes, Smart Cities

(Tomas Lapacek, Institut plánování a rozvoje hl. m. Prahy, Jan Cerny, Operator ICT, 15.7., 2pm – 5pm.)

Project Management from Architect's Point of View

(Fabian Wieser, dipl. architect from RSAA architects in Berlin, 16.7., 9am – 12am)

When transferring from the academic onto the real world, architects find themselves covering a variety of roles that university did not prepare them for. It is often neglected that a beautiful design, badly managed, turns out worse than an average design, well executed. Reasons for that are partly universal, partly differ from country to country. They can find their roots in architects being asked to do too many different things - there is such a thing as an architect having "too much" influence. In other parts, local developers, clients, or third parties will take over the process themselves.

My lecture will look at project management with the intention of giving you some tools to carry your sketch into reality. It will bridge project management concepts from outside of architecture and show how they can benefit us in our work environment. It will lean on the history of projects my office has carried out, looking at and comparing the European and Chinese realities.

Project Management and Resource Planning Software

(Jaroslav Lizner, Easysoftware, 16.7., 2pm – 5pm, slavek@lizner.cz | <http://www.linkedin.com/in/lizner>)

This session will show you how to formalize your projects in a Project Management Software. How you can plan scope, time, resources & finance, turn your plan into execution and how to collaborate with the team, suppliers and the client. It will also address how to control, review your progress and analyse experiences. That will all be addressed using a live software demo and practical cases.

Digital Fabrication and Robotics

(Michal Kovarik, ing.arch., 17.7., 9am – 12pm)

Parametric and generative design, genetic algorithms and topologic optimization are changing architectural design in terms of efficiency, sustainability and aesthetics. The organically-shaped structures generated by such tools are however not feasible with existing construction technologies. The need for the physical realization of complex free-form shapes resulted in the development of digital fabrication tools and materials, disruptively changing the whole AECO process. This lesson

presents a comprehensive review of computational design and digital fabrication technologies, to equip students with powerful tools that can extend their skills from virtual design to the fabrication of physical objects.

Architect and Client

(Jan Strcula, Architect, 17.7., 2pm – 5pm)

The design activity of the Architect – A problem-solving discipline.

From the acquisition of clients through the process of developing the product.

Who is a Client and what are his/her expectations? Who is Architecture for?

The other side of the table – The client and his perception of the Architect.

Communication and the architect's education of his/her clients.

Your value is determined by the questions you ask your client.

The position and characteristics of the Architect and his services. We are selling solution (not confusing sets of alternatives).

An Architect's salary - Work vs. Value. How much are we worth?

Work examples and approaches to solve problems – Situations.

Real Estate Valuations, The New Paradigm

(Tu Nguyen, Senior Valuer, Cushman & Wakefield, 18.7., 9am – 12pm)

Real Estate Valuation – this lecture aims at equipping future professionals in the real estate industry, land development, even architects, with knowledge about basic methods, principles and techniques of real estate valuation, providing a broad overview of the key factors determining the market value of a property. This is one of the most basic foundations that each professional should have. Certified valuation is involved and might be required throughout a property's life cycle in every stage. Besides theory, practical application is a part of the lecture with real-life examples, case studies and valuation exercises, to name just a few.

Architects and Developers

(Eduard Forejt, Real Estate Consultant, 15.7., 2pm – 5pm)

This session will bring you a clear view of the real estate developer's understanding of the land development and planning processes. We will raise topics (and answer questions) such as:

- Who is the real customer? Is it really the investor?
- Who are the partners of the planning base?
- What is more important, product or location?
- Is architecture only the tool?

- What detail is important for future occupier and what is not?

At the end of the session, you will be able to answer all the necessary information you need to know before you do land development and/or real estate project planning.

Time Management

(Barbora Vacková, joint lecture for all programs, 22.7., 9pm – 12 pm)

Other than as a discipline, time management is also described as a skill or the ability to plan and consequently control the amount of time you spend in accomplishing your tasks. It boils down to how skilled a person is in his analysis of how his hours are spent on a specific activity. It also tells a lot about his ability to prioritize his tasks in an effort to maximize efficiency and effectiveness.

As a skill, time management is something that can be mastered with consistent practice and further developed over time (no pun intended). Once this skill has been mastered, our work and personal lives will be more organized, much easier to handle, more efficient, and definitely happier.

Let's get this straight: time management is not about getting EVERYTHING done. There are two specific points that time management includes:

- Getting MORE THINGS done: You have a limited amount of time. Thus, you have to manage it so that you will be able to get a lot more work done within that limited time. In the past, when you used to barely finish two tasks in one hour, perhaps you can find a way to be able to finish three or four in the same amount of time. You can do that through time management.
- Getting the RIGHT THINGS done: It is possible that you may end up doing something other than what you originally set out to do. You planned to finish Task 1 in one hour. However, in the middle of that hour, your attention got diverted and you also started working on Task 2. When the hour was up, you ended up not finishing Task 1, and actually even had another (Task 2) pending. As a result, you did not finish anything. With time management, you may have been able to finish Task 1 before the hour was even up, and got a head start on Task 2.

(Martin, Cleverism, <https://www.cleverism.com/complete-guide-to-time-management/>)

Urban Design Workshop

(Tomas Ctibor, urban planning consultant at 4ct, also Klara Filaunova, Vojtech Myska both of 4ct, 23.7., 9am to 12pm)

Good urban planning is based particularly on a thorough analysis of the current state and potential of the territory - we are able to provide information on the territory serving as a basis for city decision making through structured, correctly evaluated and interpreted spatial data. Only a good analysis of the current state, relevant information, the involvement of experienced and motivated experts in cooperation with educated politicians and an active and responsible public can lead to the formulation and realization of truly sustainable city development. The future of urban planning is an open, flexible system of cooperation between independent experts from different sectors. This method of organization allows you to engage not only the resources available to traditional organizations but also to involve the best experts from anywhere in the world. As a result, we can flexibly respond to the current and future challenges we face in cities.

The Urban Design Workshop will guide you through all these processes and illustrate how to effectively work with the site and its potential to meet the needs of both the client and the city.

Shaping the Light

(arch. Marco Maio, Marco Maio Architects, 23.7. afternoon, time to be coordinated with Lasvit lecture)

“Shaping the Light - The Architectural space defined by LIGHT” is the process of creating architecture where the architectural space and design should reflect the vision of each individual, the harmony between the space, light and human being should simply exist as a matter of setting up the senses, relation and development of each person present in the space. The architectural form and shape is a result of the vernacular conditions of the site, where the game between open and closed space, creates the interaction and functions of each area. The sensorial game between natural light and indirect light induce the human relation between inside and outside, offering an open mind feeling in relation with the others and nature. The existing city structures, shapes and natural light are enthusiastically used to create exceptional spaces or singular lighted shapes.

Public Speaking

(David Fogad, joint lecture for all programs, 24.7., 9pm – 5pm)

Essential Public Speaking skills:

1. Make eye contact. That means picking individual members of the audience, talking to them just like you're having a conversation, with the eye contact that naturally goes with that. DON'T look over the audience's heads.
2. Know your audience. That means understanding their issues, their concerns, their hopes and their dreams. You're not ready to talk to an audience if you don't know what's on their minds.
3. Stand up straight. Check your posture in the mirror before you start. You need to signal to the audience that you care, and a slouch indicates you don't.
4. Get the words off your PowerPoint slides. The slides are for the audience, not you. They're not speaker notes. Make them illustrations that will help the audience understand better what you're saying, NOT bulleted lists of your talking points.
5. Show up with some energy. Unless you're giving the eulogy at a funeral, the people are there because they want to be, and they're hoping for something good to happen. Don't waste their time and yours. Seize the moment – use some energy.

(Dr Nick Morgan, <https://publicwords.com/2013/05/14/5-essential-obvious-basic-public-speaking-tips/>)

Global digitalization and its impact on the required software skills for architects.

(Henri Achten, Prof., Dr., Ir. CVUT, 24.7., 2pm – 3.50pm)

Digitalization is an ongoing process that started with the invention of the digital computer, and gained critical mass after the introduction of the Internet. Some of the implications of digitalization were already aptly described by Nicholas Negroponte in "Being Digital" from 1995, and William Mitchell in "City of Bits" from 1996. Practice catches up slowly. "Old school CAD" is based on single software programs, with limited exchange possibilities. Building Information Model aims to structurally encode data that can be intelligently exchanged between programs. Agent technology increasingly becomes information broker between people and machines. The internet and cloud computing facilitate information exchange on a permanent basis, and most of the time, without us knowing about it. How does this picture challenge traditional CAD tools, that are mostly conceived for single user specialists? What are the required software skills for architects in the near future?

Leadership

(Radka Dohnalova, 25.7., 9pm – 12 pm)

Effective management and leadership are vital in these times of complexity and fast change in organizations. But while good management, as it has been defined in the past, is critically important in the day-to-day operation of an organization, it is not enough to help an organization move towards a vision. In the past, managers have been taught to focus on setting goals, planning, motivating employees, and coaching. While all of these activities are important, they are not enough to help managers also be leaders of change.

What do we mean by leader in this context? A leader is someone who guides an organization and its people towards a future vision for the organization. A leader recognizes the opportunities inherent in organizational change and makes things happen to realize that change. A leader has integrity, credibility and instills the trust of others in the organization to move towards this organizational change.

How can a manager manage as a leader? Here are five critical factors to successfully managing as a leader:

1. Know yourself; 2. Know the organization; 3. Build relationships; 4. Create vision; 5. Manage the day-to-day relationships and operations of your team

(MIT Human Resources, <https://hr.mit.edu/learning-topics/leading/articles/basics>)

Tour of a Prestigious Building under Construction

(Colin Glover, CEO at sis, www.sis-systemy.cz, 25.7., 2pm – 5pm)

Tour of the new J&T bank headquarters in Karlín)

Hands-on experience through the visit to a construction site of a prestigious building project in Prague. The project will be at the level of construction completion with certain parts of the building, which are to be eventually covered up, still exposed. This should maximize the learning experience for students. Representatives of the contractor and of the developer will lead the tour and will, besides presenting the actual building mass, also give students an idea of activities and project management work on a construction site. Safety aspects of construction work on such a site will also be mentioned.

Administrativni Centrum Rustonka, J&T Banka , New Seat since 2020, Sokolovská 690/115a, 186 00 Praha, Karlín

Green Buildings Design & Sustainable Architecture and Energy Efficiency in Building

(Milica Vujosevic, Ing.arch., PhD, Casua, 27.7., 9am – 10:10pm)

(Barbora Markechova, Ing.arch., director, Ian Bogle Architects, 26.7., 10:30 – 12:15pm)

We all know climate change is affecting the way we live. As designers we have a responsibility to deliver buildings that are not only energy efficient but also challenge boundaries and social preconceptions. We will explore building designs that reduce energy consumption, renewable and passive energy solutions, smart systems and occupancy wellbeing through Biophilia and material selection.

Interior Sound Systems and Acoustics

(Jan Krasňan, 26.7., 2pm – 6pm)

After a successful career in Investment Banking in NYC, Jan returned to Europe and worked as an Interim Finance Executive and Consultant, whose expertise was highly desired by clients such as ambitious start-ups, innovative SMEs and even Fortune Global 500.

While off-assignment Jan decided to create the most exciting sound system ever built. It had to be bespoke and hand-made from only the top components world can offer. The design also had to be unique and never seen before, using exclusive materials, such as 800-year-old olive wood, backlit slate or upholstery. The ability to change the sound system's characteristics (bass, treble, resolution, material and colours) at will prevents the system from ever looking or sounding boring. The lecture will be focusing on the design of the sound system, its performance and the room acoustics.

Jan was born in Prague, majored in Finance at the University of Economics, Prague and received a scholarship to represent the Czech Republic at a prestigious postgrad program in the U.S. called Global Village for Future Leaders of Business and Industry. Jan also served on the board of several companies. Jan's long-term passion is contemporary art, nonprofit activity and alternative investments.