

<b>BME Faculty of Architecture</b>		<b>Department of Urban Planning and Design</b>	
		<b>Department of Construction technology and Management</b>	
Name of the course: <b>Interdisciplinary, Project Based Design</b>		Code: <b>BMEEPTCEP02</b>	
A tárgy angol neve: Interdisciplinary, Project Based Design			
Grading: <b>practical</b>	Credits: <b>8</b>	Location in the curriculum: <b>Erasmus</b>	
Lecturer:	<b>LEPEL Adrienn</b> <b>VARGA Imre</b> <b>KLANICZAY János</b> <b>KÁDÁR Bálint</b> <b>HAJNAL István</b>	Person in charge	<b>KÁDÁR Bálint PhD</b> at the departments: <b>LEPEL Adrienn PhD</b>

### *COURSE REQUIREMENTS*

<b>Requirements of signing up for the subject:</b>	Registration in the NEPTUN system. Prerequisites: according to university regulations
<b>Type of classes:</b>	lectures, student presentations, consultation, workshops, site visits
<b>Requirements of appearance:</b>	According to university regulations, attendance at classes has to exceed 70%! The lecturers may make attendance-sheets during any of the classes.
<b>Requirements during class period:</b>	active presence, project presentations according to schedule
<b>Tasks with deadline :</b>	See timetable below!
<b>Requirements for signature:</b>	Appearance has to exceed 70%. Accepted project presentations
<b>Evaluation at the end of the semester:</b>	Evaluation is based on quality of presentations.

## CSEPEL WORKS – cooperative urbanism for a new industrial brand

The goal of the project is to rethink the largest functioning industrial site in Budapest, the Csepel Művek (former Manfréd Weiss Steel and Metal Works). In 2017-2019 KÉK (Hungarian Contemporary Architecture Center) led a project that mapped the area of this densely developed but physically outdated industrial area. Not only the buildings and public spaces were listed, but also the structure of the more than 600 working industries and service providers. These industries are highly productive and form a networked ecosystem of production, but there is no formal/organized cooperation or management, and certainly no joint development in the area. In order to make this large industrial compound with considerable industrial heritage more functional, a cooperative development process should be initiated and mediated, resulting in the strategically planned development of the area, with new innovation and incubator centers, public services, renewed public spaces, and well managed preservation of the valuable architectural heritage. KÉK is working on such issues with representatives of the local companies. We come to help this project with exhibition-ready projects by the courses of Interdisciplinary design of the department of Construction technology and Management and department of Urban Planning and Design, together with the course of Department Design of the department of Urban Planning and Design, mixing international and Hungarian students, local knowledge and global creativity.



(szeretlekmagyarorszag.hu/Bódis Krisztián; Gondola.hu; <http://21ora.hu/2019/07/01/kinyitott-a-csepel-muvek/>)

**The task:** To rethink the urban development possibilities of a more cooperative industrial cluster, where small and large companies form a strong partnership for an innovation cluster, also developing the urban infrastructure, services, and public spaces of Csepel Works (Csepel Művek).

Interdisciplinary design students will work in specific areas of Csepel, get to know all present research done by KÉK and the professors of the two departments, plan a strategic development project defining the points of intervention and new services, design new service centers and urban hubs, and cooperate with Hungarian students, who will design specific public spaces connected to these developments.

Students will have to explore the branding, marketing, property development and feasibility aspects of their strategy and projects. At the end a development project with new buildings and functions connected to the public spaces to be designed by Hungarians must be designed. The proposed design must also have also a strong visual meaning in order to re-brand the Csepel Művek.

The project will include physical model building and the continuous development of the urban, architectural and structural design concepts, starting with the work on an existing LEGO model of the whole area, and finishing with the model of a new hub of a selected area.

The final output will be the model and an exhibition-ready poster of the design.



[www.kek.org.hu](http://www.kek.org.hu)

**Studio work:**

During the 7 weeks project all students have to:

- **make the project in a group work:** students have to form groups of 4 people
- **cooperate with Hungarian students:** two courses will be held simultaneously, groups will be extended with Hungarians every Thursday
- **hand in** and if requested present **the 2 individual research tasks:**
  - o 1st task – research of an industrial development project from any place of the world including industrial functions, industrial heritage and good design
  - o 2<sup>nd</sup> task – feasibility study and process design of the preliminary design
  - o 3<sup>rd</sup> task – Csepel branding proposal in relationship with the design and innovative industrial production
- **make models:** strategy presented in the LEGO model and design presented in a detailed (urban level) model
- **final poster:** exhibition ready posters to submit at the end of the course

**Conditions:**

- accepted first presentation
- submitted and presented project plans until the Deadline of 20<sup>th</sup> of October

**1. Way of completion:**

- active participation in consultations with home-prepared plans and models (presence at least 70% of consultations - according to Code of Studies)
- submission and presentation of complete project plan before deadline

**2. Grading:**

The submissions, presentations and class work will be graded according to the following, as result of the personal and team work of the student in class and at home:

1<sup>st</sup> preliminary presentation: 20 %

Branding and heritage valorization study and plan: 30 %

final design - submission and presentation: 50 %

**Grades:**

0-49 %	failed	(1)
50-61 %	passed	(2)
62-73 %	satisfactory	(3)
74-84 %	good	(4)
85-100 %	excellent	(5)

<b>SCHEDULE</b>				
		TIME	Lecture/Consultation	Student activity
1.	09.10.	10:15 -	<b>General Introduction (KB, LA)</b> <b>Introduction of the task (KJ)</b>	groups formed and finalized, LEGO model disposition, 1 <sup>st</sup> task out
	09.12.	14:15 –	NO Class	NO Class
2.	09.17.	9:15-	<b>Budapest in brief (KJ)</b> <b>Second life of industrial buildings (LA)</b>	<b>1<sup>st</sup> task presentation - examples</b>
	09.19.	14:15 –	<b>Csepel on-site class</b> , activity not in classroom	Csepel site visit together with Hungarian students
3.	09.24.	9:15-	<b>Consultation</b>	2 <sup>nd</sup> task out Strategy and urban/development plan creation
	09.26.	14:15 –	<b>Shared Cities program by KÉK (KÉK experts)</b> <b>Consultation</b>	Strategy creation together with Hungarian Students
4.	10.01.	9:15-	<b>Consultation</b>	Consultation about feasibility, functions, branding. 3 <sup>rd</sup> task out
	10.03.	14:15 –	<b>Urban hotspot design workshop</b>	Creation of an urban hotspot in the chosen area together with Hungarian students
5.	10.08.	9:15-	<b>Consultation</b> <b>Creative construction workshop</b>	<b>2<sup>nd</sup> task presentation – feasibility and process design</b> design work in class, detailed urban model base
	10.10.	14:15 –	<b>Consultation</b>	consultation and workshop together with Hungarian students
6.	10.15.	9:15-	<b>Consultation</b>	consultation (what to submit for final presentation and posters)
	10.17.	14:15 –	<b>Consultation</b>	<b>3<sup>rd</sup> task presentation – Csepel works branding</b> last and final consultation, finalization with Hungarian students
7.	10.22	workshop week to finish work – no regular classes		
	10.24.	workshop week to finish work – no regular classes		
8.	10.31.	14:15 –	<b>Final submission date (digital uploading): 28th October (Monday) 10:00</b> <i>The deadline date and the time is strict! No submission is accepted after the given date!</i> <b>Final presentations in the classroom on Thursday, 31<sup>st</sup> of October</b>	

august 2019.

Bálint KÁDÁR – Adrienn LEPEL