MATRIX of existing Master course (Azerbaijan university of Architecture and Construction)

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| Name of compulsory chair | Year | Semester | Number of ECTS | Number of elective chairs | List of available elective chairs | short description | relation between the contents and RETHINK’s theme |
| Name of the Master course |
| - | 1st year | 1 semester |  |  |  |  |  |
| Foreign Language |  |  | 6 |  |  | The students can choose between English and French as Foreign Language. Foreign Students can choose Russian or Azeri. The course is the continuation of the bachelor’s program and is specializing on more advanced and technical language. | No straight relation with ReThink |
| Modern Problems of Architecture |  |  | 4 |  |  | The course covers the contemporary problems of the architecture. Focuses evenly on the aesthetical and urban aspects of it. | The course is partially covering the environmental issues and the aspects of its sustainability. |
| History and Methodology of Architectural Science |  |  | 2 |  |  | The course describes methods of analysis in architectural science and its history. Students are continuing to study worldwide approach with specific focus on local traditions. | No straight relation with ReThink |
| Computer Modelling |  |  | 4 |  |  | The class considers Computer Aided design Technology. Students can choose and pick a software to design a project between ArchiCAD, AutoCAD and 3D MAX softwares.  | No straight relation with ReThink |
| Theory of Architecture and City Planning |  |  | 10 |  |  | The course is describing different theories of urban planning. The students are introduced to masterminds of the world of urban planning, to the ideas and approaches of different architects, their success and failures. | The course is also touching upon the problems of sustainability in the ideas of the architects, such as Le Corbusier, Oscar Niemeyer, Kisho Kurakawa etc, thus, is partially related to ReThink |
| Modern Theory and Practice of Restoration |  |  | 4 |  |  | The course is considering modern approaches towards architectural restoration, traces of classical restoration traditions of Viollet-le-Duc and Le Corbusier in contemporary restoration world-wide, describes local traditions of restoration and construction techniques.  | No straight relation with ReThink |
| Total |  |  | 30 |  |  |  |  |
| - | 1st year | 2 semester |  |  |  |  |  |
| Design of the Architectural Environment |  |  | 10 |  |  | The course is studying the architectural environment of the urban cityscape. During the course students have to come up with the design solution for a certain part of the city, which will be identifying the problems and suggesting the possible solutions. |  |
| Renovation and Improvement of Landscape |  |  | 10 |  |  | The course is the continuation of the landscaping course, which is a part of bachelor’s program. The students are concentrating on the entire landscaping system of the city. The students are picking the city they want to work on and come up with the analysis of the landscaping ecosystem and make their suggestions on how to improve it. | The course is considering the importance of the vegetation in the city structure as an element of sustainability, thus, has a relation to ReThink |
| Specialization Block I |  |  | 16 | 2: | Architectural Design | During the course students are offered several categories of the buildings to choose and make a design. | No straight relation with ReThink, however depending on the approach could easily have elements of sustainability. |
|  |  |  |  |  | Experimental Design | Students are introduced to most recent and experimental approaches in design, using the integrated and parametric design methods. | No straight relation with ReThink |
| Specialization Block I I I |  |  | 4 | 2:  | Architectural ensembles | The course is offering students to come up with the design of a constellation of building in a certain part of the city. Students are offered several options for design. | Depending on the project and the professor the students are encouraged to consider environmental issues. |
|  |  |  |  |  | Architecture of Industrial Buildings | The course is studying the construction principles of industrial buildings. Students during the course come up with the project of the building of industrial purpose. | The course doesn’t have a straight relation to ReThink |
| Total |  |  | 40 |  |  |  |  |
| - | 2nd year | 1 semester |  |  |  |  |  |
| Pedagogy for HEI |  |  | 4 |  |  | Student go through a sequence of lectures on pedagogy, are being introduced to the basic of social relations between professor and the student, introduced to progressive teaching techniques and practices. | No straight relation with ReThink |
| Psychology |  |  | 2 |  |  | The course is a common course for all HEI-s in Azerbaijan. Students are introduced to the basics of sociology and behaviourism. | No straight relation with ReThink |
| Typology of the Monuments |  |  | 8 |  |  | The course is concentrating on the classification of the architectural monuments. Helps the students to get familiar with how to identify the period and methods of the construction of the monument for its further renovation purposes. | No straight relation with ReThink |
| Humanitarian Block I |  |  | 2 | 3: | Ethics | A basic course of ethics | No straight relation with ReThink |
|  |  |  |  |  | Aesthetics | A basic course of classical aesthetics. | No straight relation with ReThink |
|  |  |  |  |  | Labourlaw | A basic course of part of the legislation concerning the protection of human labour. | No straight relation with ReThink |
| Specialization Block II |  |  | 4 | 2: | Study of Regional Architecture | The course is concentrating on the architecture of Azerbaijan. Specifically schools of Absheron peninsula, North and South are emphasized within the course. | No straight relation with ReThink |
|  |  |  |  |  | Reconstruction of Buildings | During the course the students are choosing one of the building of historical heritage in Azerbaijan, do field trips, analysis and come up with the reconstruction project. The goal is that the students do successful restoration and also find a new usage for the building | The course has a connection with ReThink in terms of the sustainability of historical heritage |
| Total |  |  | 20 |  |  |  |  |
| - | 2nd year | 2 semester |  |  |  |  |  |
| Scientific-research practice – 4 weeks |  |  | 6 |  |  | The students are dong the research in the field of the proposed topics. The students can choose, which professor will be the curator of the research. Preparation of the research includes field work and work in the archives. |  |
| Scientific and Pedagogical Practice – 4 weeks |  |  | 6 |  |  | The students are attending the classes of bachelor students as teacher-assistents, always together with the experienced professor.  |  |
| Preparation and Defence of Master’s thesis – 12 weeks |  |  | 18 |  |  | During the period student goes through several preliminary defenses of the thesis he/she was working on during the last year and a half. Defense of the master’s thesis takes place in June. After the student is awarded the master’s diploma. |  |
| Total |  |  | 30 |  |  |  |  |
| Total for Master course: | 2 years | 4 semesters | 120 |  |  |  |  |
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