COURSE SYLLABUS

(1.) Subject name: *DIGITAL ARCHITECTURE 1*	**Credits: 2**

Subject **labelling**: **obligatory**

Subject's theoretical or practical 'training characteristics': **20-80** (credit%)

Type of the class[1]: laboratory lessons **2** per week,   (***language*** *of the coure: english*)

Evaluation[2]: examination   **Further exercises: midterm exam**

Semester: **3rd**

Prerequisites: -

General course description
Students are introduced to the theory behind Computer Aided Design software and their practical use through the following topics: geometric construction and 3D modelling using architectural CAD software, application of materials and textures to the design components, preparation of explanatory and 3D images, phase drawings and animations, export of vector and pixelgraphic data files for image processing and editing programs, insertion of processed data and other digital images and texts into CAD drawings, preparation of presentation material. The software used on the practical lessons is ArchiCAD.

Selected bibliography:

Coure teacher: Attila Béla Széll dr. associate professor, DLA habil.

Instructor: **Réka Sárközi, assistant lecturer**

Requirements in study period: The participation on the classes is obligatory. The maximum amount of the missed classes is 3 per semester due to the Study and Examination Regulations.   **The exercises and scores of the semester:**

midterm exam:	max. 50	min. 22
final exam:	max. 50	min. 22
	max. 100	min. 50

Grades:

88-100	5
75-87	4
63-74	3
50-62	2
0-49	1

Classes in the semester 2017/2018. I:				
Code	Teacher	Day/time	Place	Note
PMRESNE080-LA-01	Réka Sárközi	Wednesday 14:45	A207	
PMRESNE080-LA-02	Réka Sárközi	Wednesday 16:30	A207	

Scedule of the semester

1.	Introduction. The ArchiCAD interface, The Virtual Building Concept.
2.	Stories, exterior and interior walls, place, edit, copy.
3.	Slabs, roofs, sections, elevations.
4.	Windows, doors.
5.	Stairs.
6.	Columns and beams.
7.	Practicing for the first test.
8.	MIDTERM EXAM
9.	AUTUMN BREAK
10.	Placing objects, zones.
11.	Curtain wall system.
12.	Rendering, 3D documents, layouts.
13.	Plans, publication.
14.	Practicing for the seecond test.
15.	FINAL EXAM