General Information:

Curriculum: Interior Design Master (MA)

Course name: **APPLIED VISUAL STUDIES 2.**

Course code: EPE015ANMU

Semester: 2

Credits: 3

Schedule: 0/0/2

Evaluation: Mid-term grade

Prerequisites (MA): -

Responsible teacher: **Donát RÉTFALVI dr., associate professor**
Iroda: 7624 Magyarország, Pécs, Boszorkány u. 2. B-327
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Lecturer: **Attila SZÉLL dr., associate professor**
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Course description:

With the help of a teacher, the students will learn to use SketchUp Make 3D modeling software through a semester project. The task is to plan a façade cladding element which can be put next to each other (so being able to cover a whole façade or a part of it). Making a model of the planned element is required.

Course outcome:

The aim of the course is to introduce students to the mysteries of spatial planning, thus establishing an approach that serves as the basis for generative planning. The program used is SketchUp, which is a system and method for three-dimensional modeling. A three-dimensional design and modeling environment that allows users to draw the outlines or boundaries of an object in two dimensions in a known manner similar to paper and pencil. User-created two dimensional flat surfaces can be dragged and shifted into the environment with editing tools to easily and intuitively model three-dimensional forms and geometries.

Course content:

Project: design of modularly installable three-dimensional concrete cladding elements that can be made of concrete and can be arranged in a form that are based on a unique concept and bring novelty to the line of cladding elements with their world of form.
The assignments and requirements are based on the syllabus, which are uploaded to the Neptun Meet Street surface. Information related to the subject will also be available on this interface.

Assessment and evaluation system:

In all cases, Annex 5 of the valid Organizational and Operational Regulations of the University of Pécs and the Study and Examinational Regulations (SER) of the University of Pécs govern the admission of the subject, the system of requiremetns, and the obligatory tasks of the student's diligence, examination ad final examination period.

Attending the class:

- Compliance of SER regulations is mandatory
- Attendance at classes is mandatory
- Number of missed classes is based on the SER. 40.§

The conditions for successfully completing the semester are active class attendance, preparation and presentation of tasks on time and compliance with formal requirements.

The course ends with a mid-term grade. The semester closes on the 15th week. The proven presence at class is done by presenting the current part of the semester project! The teachers keep an attendance sheet / consultation sheet, with **appeared,** or **not appeared/ not prepared** entries.

Students are required to submit a project which includes a plan and a model during the semester.
During the semester, the students need to make a visual presentation about their project twice.
Minimum conditions for mid-term work and signing:
a., Submitting the semester project on time, presenting it and obtaining the minimum score
b., Submitting the model on time and obtaining the minimum score

Mid-term presentation 7th week 2021.03.17.
Replacement of the mid-term presentation 8th week 2021.03.24.
End presentation 15th week 2021.05.12.

Plan and model submission is on 15th week, at last class (2021.05.12.) Digitally and laminated on double-sided foam boards (45*100 cm) with UP-heading.
Last submission for the plan and model and the replacement/corection of the end presentation is on 16th week: 2021.05.19. 9.00AM-12.00AM in the office of B321.

Acquiring a signature:

By completing the announced system of criteria and attending classes, the students acquires the rigth to sign, evaluate the content professionally, and obtain a grade. The students who does not meet the requirements or does not perform ina ny of the tasks is considered incomplete for the semester. The signature of the course is refused, and must enroll again in a later semester.

15th week

- If the missed classes reach the 30% of all, the student didn't complete the semester, He/She is not entitled for correction, the course is incomplete.

- In case of not submitting the tasks and missing the replacements/corrections, the course is incomplete, the course is needed to retake in a later semester.

16th week – replacement, correction/improvement
- Refusal to sign the semester in case of not submiting the omissions.
The course must be re-enrolled in a later semester.

Review and evaluation of semester assignments:
Based on the semester project, the student can earn 100 points:

a. Plan assignement 80p.
b. Model 20p.

The rating is as follows:

85 p – 100 p	100%	A (5, jeles, excellent, sehr gut)
71 p – 84 p	84%	B (4, jó, good, gut)
60 p – 70 p	70%	C (3, közepes, avarage, befriedigend)
50 p – 59 p	59%	D (2, elégséges, satisfactory, genügend)
0 p – 49 p	49%	F (1, elégtelen, fail, ungenügend)

Opportunities for correction an replacement
Correction and replacement in the first week of the exam period: 2021. 05.19., 9.00AM-12.00 in the office B321.
Consultation options:
Consultations at class, and also at the weekly reception time of the teachers, on Monday: 16.30-17.30 in the office B321.

Readings and reference materials:

Class notes, help, examples and guide giving at class.
http://www.kazaconcrete.com/
https://ivankaconcrete.com/
https://www.facebook.com/search/top/?q=sketchup%20tutorials

Teaching method:

With the help of a teacher, the students will learn to use SketchUp Make 3D modeling software through a semester project. The task is to plan a façade cladding element which can be put next to each other (so being able to cover a whole façade or a part of it).
The course is based on continous communication between the teacher and the students.

Method:
1. continous consultation at class time according to the curriculum announced in the detailed subject program
2. independent work at class time according to the semester curriculum announced in the detailed subject program
3. independent home work

Detailed course program and requirements:

Methodology and criteria:

The students' problem processing method models the real design process (complex problem approach = parallel examination of function-structure-form), but also maps the academic nature of unviresity-level education (research-analytical work). The aim is to strengthten teamwork, to exploit the benefits inherent is it (more eyes see more), especially so that the responsibility of the individual (having to make his own plan) does not turn into team responsibility. Teamwork therefore means discuccing independent work together during presentations.
The role of presentation is:

- joint discussion – discussing the work made at home, raising unexplored problems, analyzing the answers to the revealed problems
- independent (re)thinking of the task
- joint discussion – discussing the work made in class, raising unexplored problems, analyzing the answers to the revealed problems

Course content and its requirements:

The students are required to create a plan assignment and a model during the semester.

a. Plan assignement 80p.

- Size: Each element of the façade cladding must not be smaller than 3 x 3 cm, and must not be bigger than 40 x 60 cm. The thickness of the elements can be between 0,5 cm and 5 cm.
- Shape: In addition to the classic forms, a great deal of formal freedom is allowed. The plan may contain differently shaped elements which can show a homogenic surface on the facade.
- Pattern, texture: any kind of pattern and texture can be used.
- Colour: One element must be in one homogenic colour. Any pattern/texture used on the element's surface is needed to have the same colour like the element has, because the colour pigments are mixed into the concrete. Within the planned collection, the color of the elements can differ.
- Inspiration: Think about the material: what can be achieved with nothing but concrete?

Parts to be submitted:

- 3D drawings with dimensions and scale of figures for each view of the façade cladding element(s) (front view, side view, cross section).
- Wall view of the façade cladding planned for the surface and itas installation. The drawings and the model can be made with any technique, with the soultions that best help understanding.
- A concept description of up to 500 words on an A/4 sheet

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Formal requirements:
Laminated on double-sided foam boards (45*100 cm) with UP-heading based on the given sample.

b. Model 20p.

During the semester the students must need to make one model.
The scale is determined by the teacher, the material can be anything, the model also can be 3D printed.
Mid-term presentation of the inter-work model is at the 7th week: 2021.03.17.
Submission of the end model is at the 15th week, on last class: 2021.05.12.
End submission replacement, correction is in the first week of the exam period: 2021. 05.19., 9.00AM-12.00 in the office B321.

By completing the announced system of criteria and attending classes, the students acquires the rigth to sign, evaluate the content professionally, and obtain a grade. The students who does not meet the requirements or does not perform ina ny of the tasks is considered incomplete for the semester. The signature of the course is refused, and must enroll again in a later semester.

Groups:

Group 1.
EPE015ANMU Place and time: PTE MIK. A103. Wednesday 15.00.-16.30.. : Dr. Széll Attila Béla

Weekly schedule:

1.Week	Wednesday 15.00-16.30
	Labor
Method	-
February 3.	Description of the task and the subject requirements. Intruduction to using SketchUp Make.

2. Week	Wednesday 15.00-16.30
	Labor
Method	led practice, consultation and independent work
February 10.	Description of basic plug-ins. Edit, straight, circle, polygon. Flat shape editing, scaling.

3. Week	Wednesday 15.00-16.30
	Labor
Method	led practice, consultation and independent work
February 17.	Angle editing, reproduction, copying, description of rotation commands.

4. Week	Wednesday 15.00-16.30
	Labor
Method	led practice, consultation and independent work
February 24.	Tracking commands

5. Week	Wednesday 15.00-16.30
	Labor
Method	led practice, consultation and independent work
March 3.	Making 3D forms.

6. Week	Wednesday 15.00-16.30
	Labor
Method	led practice, consultation and independent work
March 10.	Filling, patterning, creating structures.

7. Week	Wednesday 15.00-16.30
	Labor
Method	-
March 17.	Mid-term presentation.

8. Week	Wednesday 15.00-16.30
	Labor
Method	led practice, consultation and independent work
March 24.	Edit curved surfaces.

9. Week	Wednesday 15.00-16.30
	Labor
Method	led practice, consultation and independent work
March 31.	Edit curved surfaces.

10. Week	Wednesday 15.00-16.30
	spring break
Method	
April 7.	

11. Week	Wednesday 15.00-16.30
	Labor
Method	led practice, consultation and independent work
April 14.	Transformation

12. Week	Wednesday 15.00-16.30
	Labor
Method	
April 21.	Edit twisted surfaces

13. Week	Wednesday 15.00-16.30
	Labor
Method	led practice, consultation and independent work
April 28.	Basics of interactions, parametric design

14. Week	Wednesday 15.00-16.30
	Labor
Method	led practice, consultation and independent work
May 5.	Basics of interactions, parametric design

	last week of diligence period
15. Week	Wednesday 15.00-16.30
	Labor
Method	-
May 12.	2. Presentation SUBMISSION OF THE SEMESTER PROJECT AND MODEL

	exam period 1. week
16. Week	Wednesday 9.00-12.00 B321. office
	-
Method	-
May 19.	(replacement, correction)

We reserve the right to change the course program's details (date/location/clarifications). We will inform the students in all cases, with the questions and problems that arise during the semester you can directly adress the lecturer.

Attila SZÉLL dr.
associate professor
responsible teacher of the course

Pécs, 2021. 01. 27.