# General Information:

Name of Course: Descriptive Geometry 2.

Course Code: EPE133ANEM

Semester: 2nd

Number of Credits: 4

Allotment of Hours per Week: 1 Lecture and 2 Practical Lessons /Week

Evaluation: Exam

Prerequisites: Descriptive Geometry1.

Responsible lecturer: Réka SÁRKÖZI, assistant lecturer

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## General Subject Description

This lecture and practical based course aims to develop the skills of architecture students regarding the following topics, in frame of descriptive geometry: Application of imagery methods used in architecture and by related branches of building industry and civil engineering, internalizing of switching among these in frame of the descriptive geometry. Detection and application of relation of sizes regarding projected elements by use of geometrical constructions, imagery and intersection of solids and polyhedrons.

The studied imagery methods of this course are bases of the conventional axonometric projections, central projection like central axial collineation, orthogonal projections like Monge-system and multi view orthographic projection as well as bases of the contour map system.

## Learning Outcomes

The course will focus on architectural drawing types.

## Subject content

Students are required to complete homeworks and 2 midterm tasks.

## Examination and evaluation system

*In all cases.* *Annex 5 of the Statutes of the University of Pécs, the* ***Code of Studies and Examinations (CSE) of the University of Pécs*** *shall prevail. https://english.mik.pte.hu/codes-and-regulations*

**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.

**Necessary tools for the practical lessons:**

three rulers: 1 linear, 2 perpendicular (45°, 30°-60°)

callipers

printed exercise sheets

pencil, colored pencils

**The exercises and scores of the semester:**

homework: max. 6\*5=30

1st midterm task: max. 40 min. 20

2nd midterm task: max. 30 min. 15

max. 100 min. 55

**homework:**

deadline for maximum 5 points: next practical lesson

replacement for maximum 4 points: 2 weeks after deadline

**1st midterm task:**

deadline for maximum 40 points: 30th of March

replacement for maximum 33 points: 6th of April

**2nd midterm task:**

deadline for maximum 30 points: 4th of May

replacement for maximum 25 points: 11th of May

**Midterm tasks can be only submitted personally ont he class!**

**If the student fulfills every requirement in the study period, it ends with an offered grade. If the student don’t accept the offered grade they have to take an exam. The student who doesn’t fulfill every requirement in the study period their signature will be denied.**

Grading Scale for the offered grade:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Numeric Grade: | 5 | 4 | 3 | 2 | 1 |
|  | A, excellent | B, good | C, avarage | D, satisfactory | F, Fail |
| Evaluation in points: | 85%-100% | 71%-84% | 60%-70% | 50%-59% | 0-49% |

**Requirements in exam period:**

If the student fulfills every requirement in the study period, and accepts the offered grade they have no other task in the semester. Students can replace the second midterm task in the first week of the exam period. If a student gets a signature but doesn’t accept the offered grade they have to take an exam.

**Exam:**

maximum: 100 points

minimum 55 points

The exam will contain different drawing exercises from the curriculum.

The score of the exam will be added to the previous points, and the grade will be calculated based on that.

Grading Scale for the exam grade:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Numeric Grade: | 5 | 4 | 3 | 2 | 1 |
|  | A, excellent | B, good | C, avarage | D, satisfactory | F, Fail |
|  | 170-200 | 142-169 | 120-141 | 100-119 | 0-99 |
| Evaluation in points: | 85%-100% | 71%-84% | 60%-70% | 50%-59% | 0-49% |

## Readings and Reference Materials

Minor Clyde Hawk, Schaum's Outline of Theory and Problems of Descriptive Geometry

Julia McMorrough, Drawing for Architects

Francis D. K. Ching, Architecture – Form, Space and Order

## Methodology

The course is based on lectures and practical lessons. The students have to solve tasks on the practice and on their own.

## Schedule

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Classes in the semester 2018/2019. II**: | | | | |
| Code | Teacher | Day/time | Place | Note |
| Lecture | Réka Sárközi | Monday 11:15-12:00 | A306 |  |
| Practice 1 | Réka Sárközi | Monday 12:15-13:45 | A306 |  |
| Practice 2 | Réka Sárközi | Monday 14:00-15:30 | A306 |  |

|  |  |  |
| --- | --- | --- |
| **Scedule of the semester** | | |
| **week** | **LECTURE** | **PRACTICE** |
| 1. | Introduction | |
| 2. | Contour map basics | Contour map basics |
| 3. | Contour map in architectural practice | Contour map in architectural practice |
| 4. | Roofplanes | Roofplanes |
| 5. | Roofplanes | Roofplanes |
| 6. | Net of solids | Net of solids |
| 7. | Consultation about the 1st midterm task. Deadline: 30th of March. | |
| 8. | Consultation about the 1st midterm task. Deadline: 30th of March. | |
| 9. | Shadows | Shadows / 1st midterm task submission |
| 10. | Shadows | Shadows / 1st midterm task replacement |
| 11. | SPRING BREAK | |
| 12. | Consultation about the 2nd midterm task. Deadline: 4th of May. | |
| 13. | Consultation about the 2nd midterm task. Deadline: 4th of May. | |
| 14. | 2nd midterm task submission | |
| 15. | 2nd midterm task replacement | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| week | Monday | Tuesday | Wednesday | | Thursday | Friday | |
| **study period** | | | | | | | |
| 1 | Introduction |  |  | |  |  | |
| 2 | Lecture + Practice |  |  | |  |  | |
| 3 | Lecture + Practice |  |  | |  |  | |
| 4 | Lecture + Practice |  |  | |  |  | |
| 5 | Lecture + Practice |  |  | |  |  | |
| 6 | Lecture + Practice |  |  | |  |  | |
| 7 | Consultation |  |  | |  |  | |
| 8 | Consultation |  |  | |  |  | |
| 9 | Lecture + Practice  1st midterm task deadline |  |  | |  |  | |
| 10 | Lecture + Practice  1st midterm task replacement |  |  |  | | |  |
| 11 | SPRING BREAK | | | | | | |
| 12 | Consultation |  |  | |  |  | |
| 13 | Consultation |  |  | |  |  | |
| 14 | 2nd midterm task deadline |  |  |  | | |  |
| 15 | 2nd midterm task replacement |  |  | |  |  | |
| **exam period** | | | | | | | |
| 1 |  |  |  | |  |  | |
| 2 |  |  |  | |  |  | |
| 3 |  |  |  | |  |  | |
| 4 |  |  |  | |  |  | |
| 5 |  |  |  | |  |  | |

We reserve the right to make changes to the details of this course syllabus (date / location / clarifications), which will be communicated to the students. In case of questions and problems that arise during the semester contact the responsible lecturer or the study program coordinator.

Réka SÁRKÖZI

responsible lecturer

Pécs, 29th of January, 2020