# C O U R S E   G U I D E – s h o r t   f o r m
### Academic year2021-2022

| Course name[1] | **Computer assisted graphics 2** | | | | | | Course code | 1.ISI.12.DF |
|---|---|---|---|---|---|---|---|---|
| Course type[2] | DF | Category[3] | DI | Year of study | 1 | Semester | 2 | Number of credit points | 6 |

| | | Number of teaching and learning hours[4] | | | | | |
|---|---|---|---|---|---|---|---|
| Faculty | Material Science and Engineering | | | | | | |
| Field | Industrial Engineering | Total | L | T | LB | P | IS |
| Specialization | Safety Engineering in Industry | 150 | 28 | - | 42 | - | 80 |

| Pre-requisites from the curriculum[5] | Compulsory | |
|---|---|---|
| | Recommended | Using the computer basic features and Windows operating system. |

| General objective [6] | • The association of knowledge, principles and methods from the technical sciences of Industrial Engineering with graphical representations in order to solve specific tasks: contingency plans, the significance and drawing of symbolic elements used in technics and buildings scheme, developing and updating plans for prevention and protection. |
|---|---|
| Specific objectives[7] | • Connecting technical thinking with the projection, in graphical space, of elements specific to health and safety at work, in such a way that professional projects containing industrial safety specifics can be graphically presented and understood. Representing an efficient possibility to estimate production and activity in optimal security and quality conditions. |
| Course description[8] | • Introduction<br>• Plane and space geometric transformations<br>• Viewing and managing objects used in ergonomic workspaces.<br>• 3D Rendering: Wireframe Method<br>• 3D Rendering: Surface modeling of objects that have application in work safety<br>Graphical applications in Industrial Engineering |

| Assesment | | | Sche-dule[9] | Percentage in the final grade(minimum grade)[10] |
|---|---|---|---|---|
| A. Final assessment form[11]:<br><br>Exam | Class tests along the semester | 20% | Week 7 | 70% |
| | Home works | 20% | Week 10 | |
| | Other activities | - | - | |
| | Examination procedures and conditions:<br>1. Exam ticket with two subjects from the course;<br>Oral exam. | 60% | Exam period | |
| B. Seminar | Activity during seminar | | | - |
| C. Laboratory | Acttvity during laboratory | | | 30% |
| D. Project | Activityduringproject | | | - |

| Course organizer | Lecturerphd, eng. Axinte Mihai | |
|---|---|---|
| Teaching assistants | Lecturerphd, eng. Pricop Bogdan | |

[1]Course name from the curriculum

[2] DF – fundamental, DID – in the field, DS – specialty, DC – complementary (from the curriculum)

[3] DI – imposed, DO –optional, DL – facultative (from the curriculum)

[4]Points 3.8, 3.5, 3.6a,b,c, 3.7 from  the Course guide – extended form (L-lecture, T-tutorial, LB-laboratory works, P-project, IS-individual study)

[5]According to 4.1 –Pre-requisites - from  the Course guide – extended form

[6]According to 7.1 from  the Course guide – extended form

[7] According to 7.2 from  the Course guide – extended form

[8] Short description of the course, according to point 8 from the Course guide – extended form

[9]For continuous assessment: weeks 1 – 14, for final assessment – colloquium: week 14, for final assessment-exam: exam period

[10]A minimum grade might be imposed for some assessment stages

[11]Exam or colloquium