



COURSE INFORMATION FORM

| Course Name                | Course Code |
|----------------------------|-------------|
| Industrial Design Studio V | 141117002   |

| Semester | Number of Course Hours per Week |          | Credit | ECTS |
|----------|---------------------------------|----------|--------|------|
|          | Theory                          | Practice |        |      |
| 7        | 3                               | 5        | 6      | 11   |

| Course Category (Credit) |                      |        |                   |        |
|--------------------------|----------------------|--------|-------------------|--------|
| Basic Sciences           | Engineering Sciences | Design | General Education | Social |
|                          | 2                    | 7      |                   | 2      |

| Course Language | Course Level  | Course Type |
|-----------------|---------------|-------------|
| Turkish         | Undergraduate | Compulsory  |

|                                 |  |
|---------------------------------|--|
| <b>Prerequisite(s) if any</b>   | Industrial Design Studio IV  |
| <b>Objectives of the Course</b> | <p>The aim of this course is to provide the student with the ability to create conceptual fiction and develop a design for that fiction.</p> <p>The target of this course is to provide students with the ability to design products by addressing social and societal problems.</p> <p>Gaining practice at the point of making projects for the sector</p> <p>Having knowledge of all parameters of the product development process</p> |
| <b>Short Course Content</b>     | This course covers a scenario for a market-oriented fiction and product development within this framework. Within the scope of the course, market-oriented projects will be developed that will consider the parameters of the design process such as innovation, production, marketing, sales and after-sales, considering the economic dimension of design.  |

| Learning Outcomes of the Course   | Contributed PO(s)    | Teaching Methods *  | Measuring Methods ** |
|---|----------------------|---------------------|----------------------|
| 1 It fulfils and presents all requirements by providing process management in a design project. | 2, 3, 4, 5, 6, 9, 10 | 1, 2, 6, 11, 12, 14 | D, J, L              |
| 2 Identifies requirements and constraints within the project                                    | 2, 3, 4, 9, 10       | 2, 6, 11, 12, 14    | D, J, L              |
| 3 Can test and revise projects when necessary   | 2, 3, 4, 9, 10       | 2, 6, 11, 12, 14    | D, J, L              |
| 4 Can design within project constraints.  | 2, 3, 4, 5, 6, 9, 10 | 2, 6, 11, 12, 14    | D, J, L              |
| 5 He may attempt to market his product individually.  | 2, 3, 4, 5, 6, 9, 10 | 2, 6, 11, 14        | D, J, L              |
| 6 Understands the legal dimension of the design and acts accordingly.                           | 8                    | 2, 6, 14            | D, J, L              |
| 7   |                      |                     |                      |
| 8   |                      |                     |                      |

\*Teaching Methods 1:Expression, 2:Discussion, 3:Experiment, 4:Simulation, 5:Question-Answer, 6:Tutorial, 7:Observation, 8:Case Study, 9:Technical Visit, 10:Trouble/Problem Solving, 11:Individual Work, 12:Team/Group Work, 13:Brain Storm, 14:Project Design / Management, 15:Report Preparation and/or Presentation

\*\*Measuring Methods A:Exam, B:Quiz, C:Oral Exam, D:Homework, E:Report, F:Article Examination, G:Presentation, I:Experimental Skill, J:Project Observation, K:Class Attendance; L:Jury Exam

|                                  |   |
|----------------------------------|---|
| <b>Main Textbook</b>             | - |
| <b>Supporting References</b>     | - |
| <b>Necessary Course Material</b> | - |

| <b>Course Schedule</b> |   |
|------------------------|---|
| 1                      | Research on Project I   |
| 2                      | Research on Project I   |
| 3                      | Critical and overall assessment of the development of the project |
| 4                      | Critical and overall assessment of the development of the project |
| 5                      | Critical and overall assessment of the development of the project |
| 6                      | Critical and overall assessment of the development of the project |
| 7                      | Critical and overall assessment of the development of the project |
| 8                      | Mid-Term Exam   |
| 9                      | Research on Project II  |
| 10                     | Research on Project II  |
| 11                     | Critical and overall assessment of the development of the project |
| 12                     | Critical and overall assessment of the development of the project |
| 13                     | Critical and overall assessment of the development of the project |
| 14                     | Critical and overall assessment of the development of the project |
| 15                     | Critical and overall assessment of the development of the project |
| 16,17                  | Final Exam  |

| <b>Calculation of Course Workload</b>                       |               |                    |                              |
|---|---------------|--------------------|------------------------------|
| <b>Activities</b>   | <b>Number</b> | <b>Time (Hour)</b> | <b>Total Workload (Hour)</b> |
| Course Time (number of course hours per week)               | 14            | 8                  | 112                          |
| Classroom Studying Time (review, reinforcing, prestudy,...) | 14            | 1                  | 14                           |
| Homework  | 2             | 10                 | 20                           |
| Quiz Exam   |               |                    |                              |
| Studying for Quiz Exam                                      |               |                    |                              |
| Oral exam   |               |                    |                              |
| Studying for Oral Exam                                      |               |                    |                              |
| Report (Preparation and presentation time included)         |               |                    |                              |
| Project (Preparation and presentation time included)        | 2             | 35                 | 70                           |
| Presentation (Preparation time included)                    |               |                    |                              |
|   |               |                    |                              |
|   |               |                    |                              |
| Mid-Term Exam   | 1             | 9                  | 9                            |
| Studying for Mid-Term Exam                                  | 1             | 35                 | 35                           |
| Final Exam  | 1             | 9                  | 9                            |
| Studying for Final Exam                                     | 1             | 70                 | 70                           |
| <b>Total workload</b>                                       |               |                    | <b>339</b>                   |
| <b>Total workload / 30</b>                                  |               |                    | <b>11,3</b>                  |
| <b>Course ECTS Credit</b>                                   |               |                    | <b>11</b>                    |

| Evaluation           |          |
|----------------------|----------|
| <b>Activity Type</b> | <b>%</b> |
| Mid-term             | 30       |
| Project Observation  | 10       |
| Class Attendance     | 10       |
|                      |          |
| <b>Final Exam</b>    | 50       |
| <b>Total</b>         | 100      |

| RELATIONSHIP BETWEEN THE COURSE LEARNING OUTCOMES AND THE PROGRAM OUTCOMES (PO) (5: Very high, 4: High, 3: Middle, 2: Low, 1: Very low) |  |              |
|---|--|--------------|
| NO  | PROGRAM OUTCOME  | Contribution |
| 1   | Within cultural, historical and artistic context the ability to integrate theoretical knowledge about production and consumption mechanisms into the design practice;  | 1            |
| 2   | The ability to plan the design process, to choose and use appropriate methods and techniques;  | 5            |
| 3   | The ability to identify design problems and related sub-problems and to produce creative solutions with a critical and dialectical approach;   | 5            |
| 4   | The ability to design in terms of spatial thinking using design principles and elements;   | 5            |
| 5   | The ability to make applications in the interaction of aesthetics and function using design elements and means and to evaluate these applications;   | 3            |
| 6   | The ability to visualize and present using two and three dimensional design tools;   | 3            |
| 7   | The ability to follow and apply technological developments, current design approaches, sustainable production methods, materials and innovations in the field of informatics in design projects;                       | 1            |
| 8   | The ability to use field knowledge in industrial design projects by considering the needs and interests of the society and target users within the scope of environmental awareness, professional ethics and the laws; | 1            |
| 9   | The ability to carry out the design process effectively individually or in a team;   | 5            |
| 10  | The ability to take an active role in discipline-specific or interdisciplinary studies at the national and international levels.   | 5            |

| LECTUTER(S)         |                              |  |  |  |
|---------------------|------------------------------|--|--|--|
| <b>Prepared by</b>  | Assoc. Prof. Dr. Cemil YAVUZ |  |  |  |
| <b>Signature(s)</b> |                              |  |  |  |

Date:08.08.2024