| **COURSE SYLLABUS** | | | | | | |
|---|---|---|---|---|---|---|
| **Course Title** | **Course Code** | **Semester** | **Course Hour/Week** | | **Credit** | **ECTS** |
| Professional Practice and Ethics | INDD304 | 2 | **Theory** 3 | **Practice** 0 | 3 | 4 |
| **Course Type** | **Compulsory Courses** | **Department Elective** | **Faculty Elective** | **University Elective** | **CoHE (YÖK) Compulsory** | **Other** |
| | x | | | | | |
| **Level of Course** | **Associate Degree (Short Cycle)** | | **Undergraduate (First Cycle)** | | **Graduate/ Doctoral (Second /Third Cycle)** | |
| | | | x | | | |

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| **Language of Instruction** | English |

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| **Course Instructor(s)** | Prof. Dr. Burcu Toker | E-mail: burcu.toker@arucad.edu.tr<br>Office: RO-108 |
| **Course Objectives** | This course is designed to introduce moral rights and responsibilities of industrial designers in relation to society, employers, colleagues and clients. | |

| | **Students To Do:** | **Teaching Methods** | **Evaluation Methods** |
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| **Course Learning Outcomes** | Students will understand fundamental concepts of ethics and their relevance to professional practice in industrial design. | Lectures, interactive discussions, and guided questioning. | Written Reflection, Midterm Examination. |
| | Students will examine the importance of international professionalism and responsible conduct in industrial design practice. | reflective dialogue, Studio-based design development, AI experimentation sessions. | Midterm Project, Final Project. |

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| | Demonstrate practical skills in using AI, VR, and digital modeling tools as part of an iterative creative design process. | Hands-on studio practice, AI experimentation sessions, VR workshops. | Midterm Project, Final Project. |
| | Design immersive virtual atmospheres capable of communicating specific human experiences. | Lectures, case-based discussions, and professional practice examples. | Midterm Examination, Written Assignment. |
| | Students will apply appropriate techniques to analyze ethical cases and identify relevant ethical issues. | Case-based learning, guided case analysis, and interactive discussions. | Case Analysis Assignment, Midterm Examination. |
| | Students will recognize and clearly define ethical problems arising in industrial design situations. | Case studies, problem-based learning, and guided questioning. | Case Analysis, Written Reflection. |
| | Students will compare and use different techniques for analyzing ethical cases and professional situations. | Case-based reflection, comparative analysis, and group discussions. | Final Project, Written Reflection, Final Examination. |
| **Course Content** | Analysis of ethical and value conflict in modern industrial design practice. Importance of intellectual property rights and conflicting interests. Ethical aspects in industrial design, manufacturing and operations. Cost benefit-risk analysis, safety and occupational hazard considerations. | | |

| **COURSE OUTLINE/SCHEDULE** | | | |
|---|---|---|---|
| **Week** | **Topic** | **Implementation (theory/practice)** | **Required Reading, Preliminary preparation** |
| 1 | General Introduction, Design Ethics: Making a Difference | T | |
| 2 | Responsibility in Design | T | |
| 3 | Design Ethics Codes | T | |
| 4 | Framing the Problem | T | |

| | | | |
|---|---|---|---|
| 5 | Framing the Problem | T | |
| 6 | Organizing Principles | T | |
| 7 | Review and Case Analysis | T | |
| 8 | Review and Case Analysis and Midterm. | T | |
| 9 | Honesty, Integrity and Reliability | T | |
| 10 | Safety, Risk and Liability in Design | T | |
| 11 | Designers as Employees | T | |
| 12 | Designers and the Environment | T | |
| 13 | Designers and the Environment | T | |
| 14 | Case Studies | T | |
| 15 | Case Studies | T | |
| 16 | Revision | T | |
| 17 | **FINAL EXAM** | | |

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| **Required Course Material(s) / Reading(s) / Text Book(s)** | • Felton, E., Zelenko, O., & Vaughan, S. (Eds.). (2012). *Design and ethics: Reflections on practice*. Routledge. Call number: NK1520 .D455 2012 |
| **Recommended Course Material(s) / Reading(s) / Other** | • Van den Hoven, J., Vermaas, P. E., & van de Poel, I. (Eds.). (2015). *Handbook of ethics, values, and technological design: Sources, theory, values and application domains.* Springer. ISBN: 978-94-007-6969-4 (print); 978-94-007-6970-0 (eBook)<br>• Russ, J. (2019). *Sustainability and design ethics (2nd ed.).* CRC Press. ISBN: 978-1138583689 (paperback); 978-1138390416 (hardback); 978-0429014758 (eBook) |

| ASSESSMENT | | |
|---|---|---|
| **Learning Activities** | **NUMBER** | **WEIGHT (%)** |
| Mid-Term | 1 | 30 |
| Quiz | 1 | 10 |
| Assignment | | |
| Portfolio | | |
| Field Study | | |
| Presentation / Seminar | 4 | 10 |
| Studio Practice | | |
| Other (class participation) | | |
| **Contribution of Final Examination/Final Project/ Dissertation to the Final Grade** | 1 | 50 |
| **TOTAL** | 7 | 100 |

| CONTRIBUTION OF COURSE LEARNING OUTCOMES TO PROGRAMME LEARNING OUTCOMES | | | | | | |
|---|---|---|---|---|---|---|
| No | **PROGRAMME LEARNING OUTCOMES** | Level of Contribution (1-lowest / 5-highest) | | | | |
| | | 1 | 2 | 3 | 4 | 5 |
| 1 | Understand knowledge of industrial design principles, design methodologies, history, aesthetics, form & function and product development processes. | | | | | x |
| 2 | Explain the properties of materials, manufacturing technologies, and production methods used in industrial product design. | | | | x | |
| 3 | Understand ergonomics, and user-centered design concepts in product development. | | x | | | |
| 4 | Understand sustainability principles, environmental impacts, and life-cycle considerations in industrial design. | x | | | | |
| 5 | Analyze design problems, user needs, and market requirements to develop appropriate product design solutions. | x | | | | |

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|---|---|---|---|---|---|---|
| 6 | Generate creative product concepts using sketching, ideation techniques, and visual exploration methods. | | | x | | |
| 7 | Develop product designs using digital tools, 3D modelling, and rendering software. | | | x | | |
| 8 | Develop prototypes or models to evaluate product functionality, usability, and aesthetics. | x | | | | |
| 9 | Communicate design ideas effectively through sketches, technical drawings, models, and professional presentations. | | | | x | |
| 10 | Work effectively in multidisciplinary teams during product design and development processes. | | | x | | |
| 11 | Manage design projects considering production constraints, market needs, and economic feasibility. | | | | x | |
| 12 | Demonstrate professional responsibility, ethical awareness, and commitment to sustainable design practices. | | | | | x |

| **ECTS / STUDENT WORKLOAD** | | | | |
|---|---|---|---|---|
| **ACTIVITIES** | **NUMBER** | **UNIT** | **HOUR** | **TOTAL (WORKLOAD)** |
| Course Teaching / Practice Hour (weeks/total course hours) | 16 | 1 | 3 | 48 |
| Self-study | 1 | 1 | 10 | 10 |
| Midterm Exam | 1 | 1 | 10 | 10 |
| Quiz | 4 | 1 | 2 | 8 |
| Portfolio | | | | |
| Field Study / Project | 1 | 1 | 10 | 10 |
| Final Exam | 1 | 1 | 20 | 20 |
| **TOTAL WORKLOAD** | | | | 106 |
| **TOTAL WORKLOAD / 25** | | | | 4,24 |
| **ECTS** | | | | 4 |

| **ETHICAL RULES WITH REGARD TO THE COURSE** |
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| **Plagiarism Disclaimer**<br><br>Detected and undetected plagiarism is a serious offence at any time and it could have devastating effects on your degree result and future professional lives.<br><br>Plagiarism is easy to avoid if you make sure to identify and acknowledge your sources thoroughly and do not copy directly from visual examples, designs, or notes that have in turn been taken word for word from your sources. |

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| SDG 1: No Poverty | |
| SDG 2: Zero Hunger | |
| SDG 3: Good Health and Well-Being | x |
| SDG 4: Quality Education | x |
| SDG 5: Gender Equality | x |
| SDG 6: Clean Water and Sanitation | |
| SDG 7: Affordable and Clean Energy | |
| SDG 8: Decent Work and Economic Growth | |
| SDG 9: Industry, Innovation and Infrastructure | x |
| SDG 10: Reduced Inequalities | |
| SDG 11: Sustainable Cities and Communities | x |
| SDG 12: Responsible Consumption and Production | |
| SDG 13: Climate Action | |
| SDG 14: Life Below Water | |
| SDG 15: Life on Land | |
| SDG 16: Peace, Justice and Strong Institutions | x |
| SDG 17: Partnership for the Goals | x |

| **ASSESSMENT DETAILS AND EVALUATION CRITERIA:** |
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| Final grades will be determined based on the course learning activities and the assessment details for the final examination or project, as outlined below, in accordance with the University's Education and Examination Regulations.<br><br>Students are required to attend at least 70% of the classes. The maximum allowable absenteeism is 30%.<br><br>Quiz: 10%<br>Project / Seminar: 10%<br>Midterm: 30%<br>Final: 50% |

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| **PREPARED BY** | Prof. Dr. Burcu Toker |
| **UPDATED** | October 2024. |
| **APPROVED** | |