

CAD I

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| 1 | Course Title: | CAD I |
| 2 | Course Code: | INTZ202 |
| 3 | Type of Course: | Compulsory |
| 4 | Level of Course: | Short Cycle |
| 5 | Year of Study: | 2 |
| 6 | Semester: | 4 |
| 7 | ECTS Credits Allocated: | 4.00 |
| 8 | Theoretical (hour/week): | 2.00 |
| 9 | Practice (hour/week): | 0.00 |
| 10 | Laboratory (hour/week): | 2 |
| 11 | Prerequisites: | Basic technical drawing, information about construction profession drawing and ability of computer usage |
| 12 | Language: | Turkish |
| 13 | Mode of Delivery: | Face to face |
| 14 | Course Coordinator: | Öğr.Gör. ALAADDIN BAKIR |
| 15 | Course Lecturers: | |
| 16 | Contact information of the Course Coordinator: | Öğr.Gör. Zafer YILDIZ |
| 17 | Website: | |
| 18 | Objective of the Course: | Making the 2D-3D drawing of architectural and construction project by the help of using three dimensional architectural programs, using the ready made objects, creating map section and being quantity. |
| 19 | Contribution of the Course to Professional Development: | |
| 20 | Learning Outcomes: | |
| | 1 | Set-up the architectural CAD programs |
| | 2 | Set-up the 3D CAD (ArchiCAD) programs |
| | 3 | Creating objects and floor planning with using ArchiCAD commands. |
| | 4 | Creating cross-sectional, side view and to create detail views in the ArchiCAD program |
| | 5 | Dimensioning to floor planning with ArchiCAD programs. |
| | 6 | Adding ready-made shapes on the architectural and constructional images in ArchiCAD program. |
| | 7 | Three-dimensional view drawings from the ArchiCAD program. |
| | 8 | Create visual appearances in ArchiCAD program. |
| | 9 | Creating map sectioning and print out from ArchiCAD program. |
| | 10 | Make the calculations of area, volume and quantity in ArchiCAD programs. |
| 21 | Course Content: | |
| | Course Content: | |
| Week | Theoretical | Practice |
| 1 | Introduction and use of ArchiCAD architectural design program. | Basic ArchiCAD applications. |

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| 2 | Fold settings, -axis settings- wall drawing, columns, beams drawing and drawing of floor in ArchiCAD. | Design of basic building with AchiCAD commands. |
| 3 | Fold settings, -axis settings- wall drawing, columns, beams drawing and drawing of floor in ArchiCAD. | Design of basic building with AchiCAD commands. |
| 4 | Design which is about building , Adding ready-made objects (windows, doors, furniture etc.) from the library on the room or terrace. | Design of basic building with AchiCAD commands. |
| 5 | Design which is about building , Adding ready-made objects (windows, doors, furniture etc.) from the library on the room or terrace. | Design of basic building with AchiCAD commands. |
| 6 | Drawing basic design in Archicad program, creating roof and roof window, generating terrain | Design of basic building with AchiCAD commands. |
| 7 | Stairwell, stair making in Archicad program. | Design of basic building with AchiCAD commands. |
| 8 | MIDTERM | |
| 9 | Desig extras for Archicad program (jamb, balustrade etc.) | Design to basic building with Archicad commands. |
| 10 | Floor plans, sections, facades and details the creation and measurement of appearance | Floor plans, building and scaling-sectional-view-detail |
| 11 | Map Section editing | Regularization of quantity with flor planning. |
| 12 | Qantity applications | Finding building quantity with CAD program. |
| 13 | Desing of steel construction building in | Desing of basic steel construction building |

[illegible]

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| ÖK2 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ÖK3 | 0 | 0 | 0 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ÖK4 | 0 | 0 | 0 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 |
| ÖK5 | 0 | 0 | 0 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 |
| ÖK6 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 |
| ÖK7 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| ÖK8 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |
| ÖK9 | 0 | 0 | 0 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 |
| ÖK10 | 0 | 0 | 0 | 5 | 0 | 0 | 3 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 |
| LO: Learning Objectives PQ: Program Qualifications | | | | | | | | | | | | | | | | |
| Contribution Level: | 1 very low | | | 2 low | | | 3 Medium | | | 4 High | | | 5 Very High | | | |