Course Code	Course Name	TAC	ECTS
İNS501	MSc. Seminar	0	6
İNS599	MSc. Thesis	0	24
İNS503	Theoretical Fundamentals of Urbanization	3-0-3	6
İNS504	Architecture-City Planning-Environment	3-0-3	6
İNS505	Binders and Technology	3-0-3	6
İNS506	Aggregate Analysis and Technology	3-0-3	6
İNS507	Analysis of Concrete Behaviors	3-0-3	6
İNS508	New Products and Technologies in Construction Materials	3-0-3	6
İNS509	Computer Aided Statistical Analysis	3-0-3	6
İNS510	Advanced Highway Techniques	3-0-3	6
İNS511	Concrete Construction Elements	3-0-3	6
İNS512	Special Concretes	3-0-3	6
İNS513	Calculation Methods of Concrete Composition	3-0-3	6
İNS514	Advanced Building Constructor's Supply Shed Planning and Techniques	3-0-3	6
İNS515	Analysis of Concrete Construction Elements	3-0-3	6
İNS516	Sound Control and Noise in The Building	3-0-3	6
İNS517	Hydraulic Structures	3-0-3	6
İNS518	Water Insulation at Buildings	3-0-3	6
İNS519	Experimental Methods in Buildings	3-0-3	6
İNS520	Advanced Topography	3-0-3	6
İNS521	Construction Chemicals	3-0-3	6
İNS522	Plasticity Analysis of Steel Constructions	3-0-3	6
İNS523	Advanced Construction Materials Science	3-0-3	6
İNS524	Basement Mechanics and Analysis in Buildings	3-0-3	6
İNS525	Construction Biology	3-0-3	6
İNS574	Seismic Isolation Methods in Buildings	3-0-3	6
İNS527	Structural Damages	3-0-3	6
İNS576	Safety in Road Design	3-0-3	6
İNS575	Introduction to Transportation Engineering and Planning	3-0-3	6
İNS530	Using of Prefabrication Elements in Construction Elements	3-0-3	6
İNS531	Computer Aided Analysis of Construction Elements	3-0-3	6
İNS532	The Dimensioning Principles of Stone Construction	3-0-3	6
İNS533	Pre and Post Stressed Concrete Applications	3-0-3	6
İNS534	Security Control at Building	3-0-3	6
İNS535	Pozzalanic Materials	3-0-3	6
İNS578	Structure Analysis of Performance Based	3-0-3	6
İNS577	Basic Safety Precautions, Equipment and Equipments	3-0-3	6
İNS538	Glass And Ceramics Construction Materials	3-0-3	6
İNS539	Cost Of Poor Quality at Construction	3-0-3	6
İNS540	Reinforcement Corrosion in Structure	3-0-3	6
İNS541	Rules of Reinforce of Reinforced Concrete	3-0-3	6
İNS542	Solar Radiation and Building Design	3-0-3	6
İNS543	Orientation of Urban and Buildings	3-0-3	6
İNS544	Basics of Advanced Building Physics	3-0-3	6

İNS545	Material Defects in Structural Damages and Repairing Principals	3-0-3	6
İNS546	Durability Experiments	3-0-3	6
İNS547	Fiber Concrete and General Characteristics	3-0-3	6
İNS548	Destructive and Non-Destructive Concrete Experiments and Evaluation	3-0-3	6
İNS549	Persistence in Reinforced Concrete Structures	3-0-3	6
İNS550	Cement Chemistry	3-0-3	6
İNS551	Concrete Morphology	3-0-3	6
İNS552	Usage of Industrial Wastes in Concrete	3-0-3	6
İNS553	Excell Applications in Civil Engineering	3-0-3	6
İNS554	Loose Boundary Hydraulics	3-0-3	6
İNS555	Physical Models and Measurements	3-0-3	6
İNS556	Flood Control	3-0-3	6
İNS557	Hydrology of Droughts and Floods	3-0-3	6
İNS558	Hydrologic Modelling with Remote Sensing and GIS	3-0-3	6
İNS559	Water Resources Systems	3-0-3	6
İNS560	Water Law and Policy	3-0-3	6
İNS561	Hydrologic Models	3-0-3	6
İNS562	Applied Statistical Methods in Civil Engineering	3-0-3	6
İNS563	Urban Drainage	3-0-3	6
İNS564	Fuzzy Logic Modeling in Engineering	3-0-3	6
İNS565	Basin Hydrology	3-0-3	6
İNS566	Hydroclimatology	3-0-3	6
İNS567	Hillslope Hydrology	3-0-3	6
İNS568	Experimental Methods in Geotechnic	3-0-3	6
İNS573	Active and Passive Control Methods in Constructions	3-0-3	6
İNS570	Ground Behaviour	3-0-3	6
İNS571	Bearing Capacity Theory in Geotechnic	3-0-3	6
İNS572	Experimental Methods in Earthquake Engineering	3-0-3	6
İNS604	Civil Defese and Sanctuary Buildings	3-0-3	6
İNS606	Using of geosynthetics in geotechnic practice	3-0-3	6
İNS607	Bioharmological building design	3-0-3	6
İNS608	Fracture mechanics of engineering materials	3-0-3	6
İNS609	Nonlinear vibrations	3-0-3	6
İNS610	Nonlinear analysis of structural systems	3-0-3	6
İNS611	Finite element methods	3-0-3	6
İNS612	Plasticity theory	3-0-3	6
İNS613	Displacement-based design of structures	3-0-3	6
İNS614	Computer computational modeling of building materials	3-0-3	6
İNS615	Change methods	3-0-3	6
İNS616	Nonlinear behavior of reinforced concrete building elements	3-0-3	6
İNS617	Damage mechanics	3-0-3	6
İNS618	Optimization methods in building design	3-0-3	6
İNS619	Material modeling	3-0-3	6
İNS620	Behavioral models in reinforced concrete	3-0-3	6
İNS621	Stability theory	3-0-3	6
İNS622	Advanced structure dynamics	3-0-3	6
İNS623	Composite materials in construction	3-0-3	0

İNS624	Sustainable building technologies	3-0-3	6
İNS625	Geopolymer concrete	3-0-3	6
İNS626	Plate theory	3-0-3	6
İNS627	Stochastic Processes in Hydrology	3-0-3	6
İNS603	Urban Transformation Process	3-0-3	6
İNS630	Turbulence models	3-0-3	6
İNS631	Quality management in construction projects	3-0-3	6
İNS632	Operations research in transportation	3-0-3	6
İNS633	Stations-station buildings-terminals	3-0-3	6
İNS634	Simulation applications in transportation	3-0-3	6
İNS635	Inland Waterways	3-0-3	6
İNS637	Treatment plant hydraulics	3-0-3	6
İNS638	Drinking water treatment technology	3-0-3	6
İNS639	Groundwater hydrology	3-0-3	6
İNS640	Boundary element method	3-0-3	6
İNS643	Solid material transport	3-0-3	6
İNS647	Structural earthquake engineering	3-0-3	6
İNS648	Shrinkage in concrete	3-0-3	6
İNS649	Creep in concrete	3-0-3	6
İNS650	Protection of reinforced concrete from external factors	3-0-3	6
İNS651	Numerical analysis in engineering applications	3-0-3	6
İNS652	Metallic building materials	3-0-3	6
İNS653	Modeling transportation systems	3-0-3	6
İNS654	Special topics in advanced structural statics	3-0-3	6
İNS655	Structural fire safety	3-0-3	6
İNS656	Advenced strength of materials basics and equations	3-0-3	6
İNS502	Ph.D. Seminar	0	6
İNS600	Ph.D. Thesis	0	24
İNS666	Doctorate Qualification	0	24
İNS528	Advanced Wooden Construction Technique-I	3-0-3	6
İNS536	Housing Construction Systems I	3-0-3	6
İNS569	Geotechnical Modelling	3-0-3	6
İNS628	Computational fluid dynamics-I	3-0-3	6
İNS641	Analytical methods in engineering-I/	3-0-3	6