No Degree Desartment Lerture's tile and Ende Courses nameded are positive Term Courses nameded are positive																	
No	Degree	Department	Lecturer's title and	Code	Course name	Compulsory or	Academic	ECTS	Term	Course content (Please provide a web link if	Medium of	Learning outcome (please provide a web link if applicable)	Education type	Requires and corequirities	Recommended or required	Planned learning activities	Assesment methds
	(Associate,		name			elective	year			applicable)	instructions		(face to face or	(please provide a web link if	reading (please provide a web	and teaching methods	and criteria
1	Master	Civil Engineering	Dr. Müzeyyen Balçıkanlı Bankir		Special Purposed Concretes	Elective	2021-2022		Spring/Fall	Self-compacting concrete, roller compacted concrete, fiber concrete, waite rubber concrete, shortcerte, pre-stressed concrete, reactive powder concrete	English	Students who successfully complete this course: 1) They will learn the stress-strain relationship of concrete. 2) They will be also to comprehend humage in concrete. 3) They will be also to catching the behaviory modulus of concrete. 4) Will be and be creap and its offects on concrete. 5) They will kern about faigue and its effects on concrete.	Face to Face	appicable) Literature research	Ink i appicable) Concrete Technology	(please provide a web link ir Laboratory studies, Reporting techniques, presentation	Presentation, exam and reports
2	Master	Civil Engineering	Dr. Hasan Güzel	INM3-0529	Hydrodynamics I	Compulsory	2021-2022	8	Fall	Hydrottalis: Continuity, momentum, moment of momentum and energy equations with control volume approach. Continuity and momentum equations with differential approach in cartesian, cylindirical and streamline coordinates. Some exact solutions for Nuive-Stokes equations. Theory of turbulent flow.	English	The students will acquire howledge on, 3) Detailed fluid statics 2) Offerential equations of fluid statics 3) Norto describe fluid motions 4) Mathematical models of fluid motion 5) Nicentatics and reservation rate relationships in fluid 6) Relationships among momentum, energy and the Bernoulli equation	Face to Face	Literature research	 Lamb, HHydrodynamics, 1955, Cambridge Mathematical Biorary 2 (cengel, YA: we Cimbala, J.M., Akupatan Mekanigi, 2008 3) Hughes, W.A. and Brighton J.A. Fukadi Anamanics, 1951. Mc- of Ferziger, J.H. and Perici, M., Computational Methods for 5) Papanastasiou, T.C., Applied Fuid Menhanics, 1954, Prentice Hall. 	Reporting techniques, presentation	Presentation, exam and reports
4	Master	Civil Engineering	Prof. Dr. Selahattin Kocaman	INS 5277	Computational Hydraulics	Compulsory	2021-2022	8	Fall	Essentials of the programming, Finite element method, Finite difference method, Finite olume method, Ordinary differential equations, Partial differential equations, Solution of the equations used in free surface flows, Solution of the equations used in pipe flows.	English	Students who successfully complete this course will learn; the essentials of the computational hydraulics	Face to Face	Literature research	Popescu, I. (2014). Computational Hydraulics: Numerical Methods and Modelling, IVM Publishing, London, UK, ISBN: 9781780400440	Reporting techniques, presentation	Presentation, exam and reports
5	Master	Civil Engineering	Prof. Dr. Selahattin Kocaman	INS 5284	Open Channel Flow Hydraulics	Compulsory	2021-2022	8	Spring	Differences between open channel and pipe flows, uniform and non-uniform flows, flow regimes, hydraulic jump, Manning equation, calculation of the optimal cross section	English	Students who successfully complete this course will learn; the essentials of the open channel flow hydraulics	Face to Face	Literature research	Moglen G.E. (2015), Fundamentals of Open Channel Flow, CRC Press, ISBN: 9781466580060	Reporting techniques, presentation	Presentation, exam and reports
6	Master	Civil Engineering	Assoc. Prof. Dr. Hilmi Coşkun	INS 5303	Construction Techniques and systems	Compulsory	2021-2022	8	Fall	Building elements and their functions; loads; foundations; reinforced concrete structures; prestressed reinforced concrete structures; steel structures; special systems, economical considerations.	English	Students will learn; advantages and disadvantages of different structural systems; critical details for structural performance, and construction methods and processes.	Face to Face	Lecture notes		In-class lectures and case study presentations	Exams and presentations
7	Master	Givil Engineering	Assoc. Prof. Dr. Hilmi Coşkun	INS 5304	Temporary Structures	Compulsory	2021-2022	8	Spring	Legal issues; site safety; cofferdams; retaining walls; water removal from construction sites; underpinning; scaffolding; concrete formwork, support in steel structures	English	Student will learn the systems and design of temporary facilities necessary for building the main structure.	Face to Face	Lecture notes	1. Formwork for Concrete, Mary K. Hurd 2. Handbook of Temporary Structures in Construction, Robert T. Ratay	In-class lectures and case study presentations	Exams and presentations

Name of the school / Conservatory / Faculty/ Institute