

MEMO:		
.....	Elective course of the Division of Geotechnical Engineering
.....	Elective course of the Division of Structural Engineering	(CC)
.....	Elective course of the Division of Transportation and Project Management	(NO)
.....	Elective course of the Division of Hydraulics and Environmental Engineering	Inter-divisional Elective course Compulsory Course for the Division Not Offered this academic year

GROUPS OF ELECTIVE COURSES - 7th SEMESTER

GROUP CODE	COURSE CODE – COURSE TITLE
7.1	TF2500 - Engineering Seismology & Earthquake Engineering (CC)
	TE2000 - Numerical Methods in Structural Analysis I (CC)
	TS0700 - Design and Construction of Road Pavements and Laboratory Testing (CC)
	TY4700 - Environmental Impact Assessment (CC)
7.2	TF2400 - Deep Foundations (CC)
	TE1300 - Theory of Disks and Plates (CC)
	TS0300 - Construction Equipment (CC)
	TY0600 - Engineering Hydrology (CC)

GROUPS OF ELECTIVE COURSES - 8th SEMESTER

GROUP CODE	COURSE CODE – COURSE TITLE
8.1	TF0600 - Laboratory and Field Tests in Soil Mechanics (CC)
	TE2300 - Pre-stressed Concrete (CC)
	TS1200 - Railway Infrastructure (CC)
	TY4600 - Design of Water Supply and Sewerage Systems (CC)
8.2	TF3700 - Geotechnical Earthquake Engineering
	TE2400 - Dynamics of Structures II (CC)
	TE1400 - Basic Principles of Economic Theory and Policy
	TS1000 - Elements of Law and Engineering Legislation
	TS2800 - Philosophy of Technology (NO)
TY2500 - Hydraulics of Open Channels and Rivers	
8.3	TF1800 - Rock Mechanics I (CC)
	TE2100 - Theory of Shells
	TE3000 - Steel Bridges
	TS0600 - Traffic Control
	TY4300 - Groundwater Resources Exploitation and Protection
TY5000 - Coastal Protection Works and Coasts	
8.4	TF0900 - Photogrammetry - Geoinformation Systems
	TE2500 - Numerical Methods in Structural Analysis II
	TE2900 - Special Topics in Construction Materials
	TS4400 - Management Information Systems for Engineering Projects
	TS3200 - Airport Planning and Construction
	TY4400 - Environmental and Energy Policy in European Union
TY1100 - Hydraulics of Groundwater Flows	
8.5	TF1200 - Engineering Surveying
	TE1200 - Special Topics in Building Construction
	TE4000 - Prefabricated Concrete Structures
	TS2100 - Transportation Systems (CC)
TY2000 - Design and Construction of Ports (CC)	
8.6	TF2900 - Special Topics in Computer-Aided Drafting
	TE3500 - Fire Protection Of Building Structures
	TE2200 - Composite Buildings and Bridges
	TE4800 - Programming Techniques and Use of Specialized Software in Structural Design
	TS3400 - Management of Construction Companies
TY1600 - Numerical Methods in Hydraulics and Hydraulic Works	
8.7	PA0100 - Placement for Civil Engineers

GROUPS OF ELECTIVE COURSES - 9th SEMESTER

GROUP CODE	COURSE CODE – COURSE TITLE
9.1	<p>TF3900 - Landslides – Earth Cuts & Fills – Soil Improvement Methods</p> <p>TE3800- Masonry Structures</p> <p>TE4700 - Engineering Performance of Materials</p> <p>TY5100 - Waste and Wastewater Treatment</p>
9.2	<p>TF1700 - Deep Excavations and Earth Retaining Structures (CC)</p> <p>TE4100 - Restoration of Concrete and Masonry Buildings</p> <p>TE3900 - Experimental Structural Engineering</p> <p>TΣ1400 - Investment Evaluation</p> <p>TY2700 - Coastal Oceanography</p>
9.3	<p>TF2100 – Geomatics</p> <p>TE3200 - Advanced Topics in Concrete Structures (NO)</p> <p>TE4300 - Elastoplastic Analysis of Structures</p> <p>TΣ3300 - Transport and Environment</p> <p>TY4200 – Waste Treatment Technology</p>
9.4	<p>TF3600 - Special Topics in Photogrammetry</p> <p>TE2600 - Concrete Bridges</p> <p>TΣ1800 – Transportation Economics</p> <p>TΣ2900 – Philosophy of Technology II (NO)</p> <p>TY3300 - Unsteady Flows</p> <p>TTY002 - Natural Hazards : Analysis and Management of Risk</p>
9.5	<p>TF3300 - Tunnels and Underground Constructions (NO)</p> <p>TF3500 - Photointerpretation – Remote Sensing</p> <p>TE5100 – Structural Aluminium</p> <p>TE3700 - Behavior and Properties of Reinforced Concrete</p> <p>TΣ4100 - Road Safety</p> <p>TY3200 - Geothermal Energy</p>
9.6	<p>TF2200 – Environmental Engineering Geology</p> <p>TE1700 - Energy-Saving Design in Buildings</p> <p>TE3400 - Inelastic Analysis of Reinforced Concrete Structures</p> <p>TΣ1900 - Public Transportation (CC)</p> <p>TY0300 - Hydrometric and Hydraulic Models (NO)</p> <p>TY4900 - Water Quality Mathematical Models for Ecosystems</p>
9.7	<p>TF2300 - Soil Mechanics III</p> <p>TE4200 - Timber structures</p> <p>TΣ1500 - Management of Construction Sites (CC)</p> <p>TY4500 - Marine Structures</p> <p>TTY003 - Design and construction of Dams</p>
9.8	<p>TF2600 - Environmental Geotechnical Engineering</p> <p>TE2800 - Antiseismic Technology and Behaviour of Concrete (CC)</p> <p>TY4000 - Design and constructions of Irrigation & Drainage Systems (CC)</p>
9.9	<p>TF1500 - Special Topics in Rock Mechanics and Engineering Geology</p> <p>TE0300 - Environmental Architectural Design of Buildings</p> <p>TΣ3500 - Management of Road Work</p> <p>TY1700 - Water Resources Management (CC)</p>
9.10	<p>TF3800 - Numerical Methods in Geotechnical Engineering (CC)</p> <p>TE3100 - Antiseismic Calculation & Special Topics in Steel Structures (CC)</p> <p>TΣ3900 - Regional Development II</p> <p>TY4100 - Environmental Chemistry, Microbiology and Biochemistry</p>