MEMO:

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

GROUPS OF ELECTIVE COURSES - 7th SEMESTER

GROUP CODE	COURSE CODE – COURSE TITLE
7.1	ΤΓ2500 - Engineering Seismology & Earthquake Engineering ***(CC)*** TE2000 - Numerical Methods in Structural Analysis I ***(CC)*** ΤΣ0700 - Design and Construction of Road Pavements and Laboratory Testing ***(CC)*** TY4700 - Environmental Impact Assessment ***(CC)***
7.2	ΤΓ2400 - Deep Foundations ***(CC)*** TE1300 - Theory of Disks and Plates ***(CC)*** ΤΣ0300 - Construction Equipment ***(CC)*** TY0600 - Engineering Hydrology ***(CC)***

GROUPS OF ELECTIVE COURSES - 8th SEMESTER

GROUP CODE	COURSE CODE – COURSE TITLE
8.1	ΤΓ0600 - Laboratory and Field Tests in Soil Mechanics ***(CC)*** TE2300 – Pre-stressed Concrete ***(CC)*** ΤΣ1200 - Railway Infrastucture ***(CC)*** TY4600 - Design of Water Supply and Sewerage Systems **(CC)**
8.2	ΤΓ3700 - Geotechnical Earthquake Engineering TE2400- Dynamics of Structures II ***(CC)*** ΓΕ1400 – Basic Principles of Economic Theory and Policy ΤΣ2800 – Philosophy of Technology *(NO)* TY2500 - Hydraulics of Open Channels and Rivers
8.3	ΤΓ1800 - Rock Mechanics I ***(CC)*** TE2100 - Theory of Shells TE3500 - Fire Protection Of Building Structures ΤΣ3400 - Management of Construction Companies ΤΣ0600 - Traffic Control TY4300 - Groundwater Resources Exploitation and Protection TY5000 - Coastal Protection Works and Coasts
8.4	ΤΓ0900 - Photogrammetry - Geoinformation Systems TE1200 - Special Topics in Building Construction TE5100 – Structural Aluminium TE4800 – Programming Techniques and Use of Specialized Software in Structural Design ΤΣ4400 - Management Information Systems for Engineering Projects ΤΣ3200 - Airport Planning and Construction TY4400 - Environmental and Energy Policy in European Union
8.5	ΤΓ1200 - Engineering Surveying TE2200 - Composite Buildings and Bridges TE2900 - Special Topics in Construction Materials ΤΣ2100 - Transportation Systems ***(CC)*** TY2000 - Design and Construction of Ports ***(CC)***
8.6	ΤΓ2900 - Special Topics in Computer-Aided Drafting TE4000 - Prefabricated Concrete Structures *(NO)* TE2500 - Numerical Methods in Structural Analysis II ΤΣ1000 - Elements of Law and Engineering Legislation TY1100 - Hydraulics of Groundwater Flows TY1600 - Numerical Methods in Hydraulics and Hydraulic Works
8.7	ΠΑ0100 – Placement for Civil Engineers

GROUPS OF ELECTIVE COURSES - 9th SEMESTER

GROUP CODE	COURSE CODE – COURSE TITLE
9.1	ΤΓ3900 - Landslides – Earth Cuts & Fills – Soil Improvement Methods TE3900 - Experimental Structural Engineering TE4700 - Engineering Performance of Materials TY5100 - Waste and Wastewater Treatment
9.2	ΤΓ1700 - Deep Excavations and Earth Retaining Structures ***(CC)*** TE4100 - Restoration of Concrete and Masonry Buildings TE3800- Masonry Structures ΤΣ1400 - Investment Evaluation TY2700 - Coastal Oceanography
9.3	ΤΓ2100 – Geomatics TE3200 - Advanced Topics in Concrete Structures *(NO)* TE4300 - Elastoplastic Analysis of Structures ΤΣ3300 - Transport and Environment TY4200 – Waste Treatment Technology
9.4	ΤΓ3600 - Special Topics in Photogrammetry TE2600 - Concrete Bridges ΤΣ1800 – Transportation Economics ΤΣ2900 – Philosophy of Technology II *(NO)* TY3300 - Unsteady Flows ΤΓΥ002 - Natural Hazards : Analysis and Management of Risk
9.5	ΤΓ3300 - Tunnels and Underground Constructions *(NO)* ΤΓ3500 - Photointerpretation – Remote Sensing TE3700 - Behavior and Properties of Reinforced Concrete ΤΣ4100 - Road Safety TY3200 - Geothermal Energy
9.6	ΤΓ2200 – Environmental Engineering Geology TE1700 - Energy-Saving Design in Buildings TE3000 – Steel Bridges *(NO)* ΤΣ1900 - Public Transportation ***(CC)*** TY0300 - Hydrometric and Hydraulic Models *(NO)* TY4900 - Water Quality Mathematical Models for Ecosystems *(NO)*
9.7	ΤΓ2600 - Environmental Geotechnical Engineering TE3400 - Inelastic Analysis of Reinforced Concrete Structures *(NO)* TE4200 - Timber structures ΤΣ1500 - Management of Construction Sites ***(CC)*** TY4500 - Marine Structures ΤΓΥ003 - Design and construction of Dams
9.8	ΤΓ2300 - Soil Mechanics III TE2800 - Antiseismic Technology and Behaviour of Concrete ***(CC)*** TY4600 - Design and constructions of Irrigation & Drainage Systems ***(CC)***
9.9	ΤΓ3800 - Numerical Methods in Geotechnical Engineering ***(CC)*** TE0300 - Environmental Architectural Design of Buildings ΤΣ3500 - Management of Road Work TY1700 - Water Resources Management ***(CC)***
9.10	ΤΓ1500 - Special Topics in Rock Mechanics and Engineering Geology TE3100 - Antiseismic Calculation & Special Topics in Steel Structures ***(CC)*** ΤΣ3900 - Regional Development II TY4100 - Environmental Chemistry, Microbiology and Biochemistry