



2021 Fall Semester

College of Engineering

Department of Civil Engineering

Course #	Course Name	Credit	Undergraduate Course(U) or Graduate Course(G)
CI5010	Practical Programing for Image Analysis	3	G
CI5012	Satellite Geodesy and Navigation	3	G
CI5016	Centrifuge modeling technique and data analysis	3	G
CI5017	Geotechnical reliability and risk assessment	3	G
CI5025	Structural Control	3	G
CI6018	Structural Dynamics	3	G
CI6026	Experimental Soil Mechanics	3	G
CI6057	Soil Dynamics	3	G
CI6065	Asphalt Concrete Mix Design	3	G
CI6095	Plastic Analysis and Design for Steel	3	G
CI7003	Environmental Fluid Mechanics	3	G
CI7006	Computational Hydraulic	3	G
CI7022	Transportation Planning & Networks	3	G
CI7024	Mechanics of Composite Materials	3	G
CI7025	Continuum Mechanics	3	G
CI7065	Geographical Information Systems	3	G
CI7076	Digital Photogrammetry	3	G
CI7105	Earthquake Disaster Reduction	2	G
CI7107	Research Methods	3	G
CI7121	Special Topics in Geoinformatic Sciences I	4	G
CI8016	Geotechnical Seminar	1	G
CI8029	Geoinformatics Seminar II	1	G
CI8031	Geoinformatics Seminar	1	G
CI8032	Geoinformatics Seminar	1	G
CI8035	Building Information Modeling: Theory and Applications	3	G



Department of Chemical Engineering			
Course #	Course Name	Credit	Undergraduate Course(U) or Graduate Course(G)
CH6007	Advanced Transport Phenomena	3	G
CH7007	Materials Physics	3	G
CH8076	Applied Electrochemistry	3	G
CH8081	Biomacromolecules	3	G
CH8097	Bio-inspired Materials	3	G
CH8111	Organometallic Chemistry and Applications in Organic Synthesis	3	G
Department of Mechanical Engineering			
Course #	Course Name	Credit	Undergraduate Course(U) or Graduate Course(G)
ME3001	Computer-aided Graphics	3	U
ME5027	Advanced Applied Mathematics	3	G
ME5029	Reverse Engineering	3	G
ME5053	Two-phase Heat Transfer	3	G
ME5096	Statistics	3	G
ME6000	Numerical Analysis	3	G
ME6059	Mechanical Behavior of Materials	3	G
ME6061	Robotics	3	G
ME6100	English Seminar	0	G
ME7056	Linear Systems	3	G
Institute of Materials Science & Engineering			
Course #	Course Name	Credit	Undergraduate Course(U) or Graduate Course(G)
MS5037	Materials Physics of Solid	3	G
MS5045	Electrochemistry of Materials	3	G
MSc in Energy Engineering			
Course #	Course Name	Credit	Undergraduate Course(U) or Graduate Course(G)
ER5007	Theory and Technology of energy storage	3	G
ER6003	Heat Exchangers	3	G
International Master's Program in Environment Sustainable Development (IESD)			
Course #	Course Name	Credit	Undergraduate Course(U) or Graduate Course(G)



SD6003	Environmental Engineering Economics	3	G
SD6005	Geographic Information Systems	3	G
SD6011	Research Study I	3	G
SD6022	Special Topics	1	G
SD6023	Special Topics	1	G
SD6029	Satellite Geodesy and Navigation	3	G
SD6031	Digital Photogrammetry	3	G
SD6033	Technical Writing	1	G
SD6035	Centrifuge modeling technique and data analysis	3	G
SD6036	Earthquake Disaster Reduction	2	G
SD6038	Asphalt Concrete Mix Design	3	G
MSc in Environmental Engineering			
Course #	Course Name	Credit	Undergraduate Course(U) or Graduate Course(G)
EN6041	Chemical Processes of Environmental Engineering	3	G
EN6047	Physical Processes of Environmental Engineering	3	G
EN6070	Special Topics in Water Treatment	3	G
EN6309	Environmental Ecology	3	G
EN6316	Applied Environmental Microbiology	3	G

Update: AUG, 2021