



2020 Spring Semester

College of Engineering			
Department of Civil Engineering			
Course #	Course Name	Undergraduate Course(U) or Graduate Course(G)	Credit
CI2030A	Technical English	U	2
CI2030B	Technical English	U	2
CI3052*	Topic Research I	U	2
CI5008*	Digital Terrain and City Modeling	G	3
CI5011*	LabView Software System Design	G	3
CI5013*	Environment and Disaster Monitoring Practice	G	3
CI5014*	Spatio-Temporal Environmental Data Analysis and Visualization	G	3
CI5017*	Geotechnical reliability and risk assessment	G	3
CI5023*	Survey of Geotechnical Literature for Advanced Study	G	3
CI5029*	Deep Learning Analysis and Applications for Disaster Mitigation and Management Information	G	3
CI6021*	Elasticity	G	3
CI6060*	Groundwater and Seepage	G	3
CI7078*	Spatial Data Analysis and Applications	G	3
CI7118*	Slopeland Engineering	G	3
CI7119*	Cloud-based Geographic Information System	G	3
CI8025*	Numerical Models for Hydraulic Engineering	G	3
CI8029*	Geoinformatics Seminar II	G	1
CI8031*	Geoinformatics Seminar	G	1
CI8032*	Geoinformatics Seminar	G	1



College of Engineering			
Course #	Course Name	Undergraduate Course(U) or Graduate Course(G)	Credit
EG6003*	English Seminar II	G	0
Department of Chemical & Materials Engineering			
Course #	Course Name	Undergraduate Course(U) or Graduate Course(G)	Credit
CH7008*	Soft Materials	G	3
CH7009*	Materials Characterization	G	3
CH8041*	Biochemical Engineering	G	3
CH8094*	Printed Circuit Board Process and Materials	G	3
Department of Mechanical Engineering			
Course #	Course Name	Undergraduate Course(U) or Graduate Course(G)	Credit
ME5029*	Reverse Engineering	G	3
ME5049*	Advanced Heat Transfer	G	3
ME5065*	Microelectromechanical Systems	G	3
ME6004*	Quality Engineering and Control	G	3
ME6100*	English Seminar	G	0
ME7030*	Introduction to the Design of medical	G	3
ME7049*	Corrosion and Corrosion Prevention Engineering	G	3
OM5006*	Design and Analysis of Opto-Mechanical Systems	G	3
Institute of Materials Science & Engineering			
Course #	Course Name	Undergraduate Course(U) or Graduate Course(G)	Credit
MS5019*	Processing and Characterization of Nanomaterials	G	3
MS5020*	X-ray Diffraction and Crystal Structure	G	3
MS5034*	Corrosion and Corrosion Prevention	G	3



	Engineering		
MS5039*	Amorphous metallic alloys	G	3
<b>Institute of Energy Engineering</b>			
<b>Course #</b>	<b>Course Name</b>	<b>Undergraduate Course(U) or Graduate Course(G)</b>	<b>Credit</b>
ER5034*	Photovoltaics Engineering	G	3
<b>International Master Program for Environment Sustainable Development (IESD)</b>			
<b>Course #</b>	<b>Course Name</b>	<b>Undergraduate Course(U) or Graduate Course(G)</b>	<b>Credit</b>
SD6015*	Waste Engineering and Management	G	3
SD6020*	Spatial Data Analysis and Applications	G	3
SD6028*	Photovoltaic Engineering	G	3
SD6030*	Spatial Data Analysis and Applications	G	3
SD6032*	Application of Statistics	G	3
SDA012*	Research Study II	G	3
SDA015*	Waste Engineering and Management	G	3
SDA020*	Spatial Data Analysis and Application	G	3
SDA028*	Photovoltaic Engineering	G	3
SDA030*	Seminar on Sustainable Development	G	3
SDA032*	Application of Statistics	G	3
SDA034*	Technical Writing	G	1
<b>Graduate Institute of Environmental Engineering</b>			
<b>Course #</b>	<b>Course Name</b>	<b>Undergraduate Course(U) or Graduate Course(G)</b>	<b>Credit</b>
EN5013*	Fate and Transport of Contaminants in the Environment	G	3
EN6031*	Air Pollution Control Theory	G	3
EN6054*	Biological Processes of Environmental Engineering	G	3
EN6064*	Environmental Statistics	G	3
EN6105*	Principle of Environmental Sampling and Analysis	G	3



EN6309*	Environmental Ecology	G	3
<b>International Master Degree Program in Applied Materials Science (IAMS)</b>			
<b>Course #</b>	<b>Course Name</b>	<b>Undergraduate Course(U) or Graduate Course(G)</b>	<b>Credit</b>
AM5002*	Seminar	G	1
AM5006*	Master Thesis	G	0
AM9998*	Research Training	G	0

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