

Name of Adviser	Topic Code	Topics	Students
Aberilla, Jhud Mikhail O.	JMA1	Life cycle optimization of water-based polygeneration systems	2
	JMA2	Life cycle optimization of biomass-based polygeneration systems	2
	JMA3	Life cycle optimization of geothermal-based polygeneration systems	2
Agutaya, Jonas Karl Christopher N.	JNA1	Remediation of petroleum oil contaminated water through Anaerobic-Aerobic Fixed Film Reactor + Ozonation	3
Ballesteros, Florencio C., Jr.	FCB1	Use of data mining in water quality monitoring	3
	FCB2	Microbial selection reactors for common micropollutants	3
	FCB3	Enhanced methane production from lipid rich wastewater	3
Dalida, Maria Lourdes P.	MPD1	Removal of VOCs from air with photocatalysis	3
de Leon, Rizalinda L.	RDL1	Design and evaluation of packed-bed column bioreactor for ethanol production from lignocellulose by biodelignification and CBP	3
	RDL2	Effect of membrane processing on Juice or wine properties	3
Montealegre, Charlimgagne M.	CMM1	An invitro study on the effect of Blumea balsamifera extract in calcium oxalate renal stones	3
	CMM2	Stabilization of nutra/pharmaceuticals and design of a transdermal delivery system	3
	CMM3	Process intensification in bioprocessing	3
Munoz, Jose C.	JCM1	Development and performance testing of a Ramsay-Young set-up for a thermodynamics laboratory course	3
	JCM2	Development and performance testing of a Simple Batch Distillation set-up for a thermodynamics laboratory course	3
Ocon, Joey D.	JDO1	Novel oxygen reduction reaction (ORR) catalysts for fuel cells 1	1
	JDO2	Novel oxygen reduction reaction (ORR) catalysts for fuel cells 2	1
	JDO3	Novel oxygen reduction reaction (ORR) catalysts for fuel cells 3	1
	JDO4	Hydrogen generation/storage for fuel cells	1
	JDO5	Density Functional Theory (DFT) modeling for CO2 storage and conversion	1
	JDO6	Density Functional Theory (DFT) modeling for fuel cells	1
	JDO7	Biocompatible micro-batteries	1
	JDO8	Flexible printable batteries	1
	JDO9	Energy storage valuation and investment model	1
	JDO10	Portable battery-based emergency system	1
Pajarito, Bryan B.	BBP1	Deposition of exfoliated graphene on surfaces of 3D printed polymers	3
	BBP2	Predicting ash and moisture content of natural rubber bales using infrared spectroscopy (ATR-FTIR and NIR) and chemometric modeling	3
	BBP3	Use of silanized mineral fillers to improve anti-corrosion properties of thermoplastic coatings	3
	BBP4	Feasibility of using recycled and tap water on synthesizing organo-bentonite fillers for polymer nanocomposites	3
Pilario, Karl Ezra S.	KSP1	Artificial Neural Networks for ChE Applications 1	2
	KSP2	Artificial Neural Networks for ChE Applications 2	2
	KSP3	Artificial Neural Networks for ChE Applications 3	2
Rollon, Analiza P.	APR1	Removal of Antibiotics from wastewater using Anaerobic-Aerobic Fixed Film Reactor and Electro-Fenton Process	3
	APR2	Methane and Fertilizer from Co-digestion of Organic Fraction of Municipal Solid wastes and dewatered septage	3
	APR3	Bioremediation of diesel contaminated soil using microbial consortium	3
Subosa, Bemboy Nino F.	BFS1	Kinetic studies for base-catalyzed transesterification of coconut oil	3
	BFS2	Phase equilibrium studies of reactive systems in coconut biodiesel production	3
Tumolva, Terence P.	TPT1	microencapsulated cellulose-based hydrogels 1	3
	TPT2	microencapsulated cellulose-based hydrogels 2	3
	TPT3	cellulose-based hydrogel blends 1	3
	TPT4	cellulose-based hydrogel blends 2	3
Villa, Ralph P.	RPV1	Use of silanized mineral fillers to improve mechanical properties of thermosets	2
	RPV2	Microstructure reconstruction	2
Villanueva, Louie Arelvi G.	LAV1	Development of an Ultrasonicated Micellar Solution with a TRPM8 Receptor-Mediated Agonist for Cosmetic Applications	3
Yap, Kristian July R.	KJY1	Performance Testing of a PDMS Microfluidic Device Using an Improved Print-and-Peel (PAP) Method	3

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