

Matrix of Advisers and Topics for the Second Round of ChE 143-144 Application (AY 2016-17)

Adviser	Topic Code	Topics	No.
Aberilla, Jhud Mikhail O.	JMA1	Life cycle optimization of polygeneration systems for remote applications [NEW]	3
	JMA2	Design and optimization model for urban water networks using ecological network analysis [NEW]	3
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
Montealegre, Charlimgne M.	CMM3	Process intensification in bioprocessing: Wet/Dry lab studies on the production of biologics/bioproducts	3
Munoz, Jose C.	JCM1	Development and performance testing of a Ramsay-Young set-up for a thermodynamics laboratory course	2 or 3
	JCM2	Development and performance testing of a Simple Batch Distillation set-up for a thermodynamics laboratory course	2 or 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
	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.	BBP2	Predicting ash and moisture content of natural rubber bales using infrared spectroscopy (ATR-FTIR and NIR) and chemometric modeling	3
Pilario, Karl Ezra S.	KSP3	Artificial Neural Networks for ChE Applications 3	2
Villa, Ralph P.	RPV1	Use of silanized mineral fillers to improve mechanical properties of thermosets	2
	RPV2	Microstructure reconstruction	2

TOTAL 39-41