

2019 Spring

TIGP Sustainable Chemical Science and Technology Program			
Introduction to Sustainable Chemical Science and Technology			
		Period: 2019/Feb. - 2019/June	
		Classroom: B105, IoC, AS	
		Time: AM9:00-12:00	
Goals:	1. Know the backgrounds and chemistry of sustainability-related issues. 2. Learn the spirit of green chemistry and the challenges/opportunities in the real world. 3. Get exposed to important research directions.		
Theme			
5	Greener Materials		
	5.1 Chemicals from Different Feedstocks		
	5.1.2 CO ₂ and Natural Gas	Yu, Steve Sheng-Fa	2019/2/27
	5.1.2 Biomass	Chung, Cedric Po-Wen	2019/3/6
	5.2 Degradable Polymers	Yu, Hsiao-hua	2019/3/13
	5.3 From Waste to Wealth (CO ₂ ; E-waste; food waste; plastic waste...)	Yu, Steve Sheng-Fa	2019/3/20
	5.4 Green Nano (I)	Kuo, Chun-Hong	2019/3/27
	5.4 Green Nano (II)		2019/4/3
	5.5 Bio-Synthesis	Wang, Cheng-Chung	2019/4/10
	*** Mid Term Exam ***	Chao, Ito	2019/4/17
	*** Field Trip ***	Chao, Ito	2019/4/24
6	Sustainable Health - Tackle Disease by Chemistry		
	6.1 Aging and Cancer	Huang, Joseph Jen-Tse	2019/5/1
	6.2 Exploring Disease Mechanism	Huang, Joseph Jen-Tse	2019/5/8
	6.3 Disease Detection and Diagnosis	Chen, Yu-Ju	2019/5/15
	6.4 Drug Development	Li, Wen-Shan	2019/5/22
	6.5 Emergent nanomedicine & diagnostic platforms	Tu, Hsiung-Lin	2019/5/27
7	Information Sharing	Chao, Ito	2019/6/5
	*** Final Exam ***	Chao, Ito	2019/6/12