

2020 Spring

TIGP Sustainable Chemical Science and Technology Program			
Introduction to Sustainable Chemical Science and Technology			
		Period: 2020/Mar. - 2020/June	
		Classroom: B105, IoC, AS	
		Time: AM9:10-12:00	
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.		
<b>Theme</b>			
<b>5</b>	<b>Greener Materials</b>		
	5.1 Chemicals from Different Feedstocks		
	5.1.1 CO <sub>2</sub> and Natural Gas	Yu, Steve Sheng-Fa	2020/3/4
	<b>Time Conflict</b>	<b>No Class</b>	<b>2020/3/11</b>
	5.2 Degradable Polymers	Yu, Hsiao-hua	2020/3/18
	<b>Adjustment</b>	<b>No Class</b>	<b>2020/3/25</b>
	5.4 Green Nano (I)	Kuo, Chun-Hong	2020/4/1
	5.5 Green Nano (II)	Kuo, Chun-Hong	2020/4/8
	5.6 Bio-Synthesis	Wang, Cheng-Chung	2020/4/15
	5.1.2 Biomass	Chung, Cedric Po-Wen	2020/4/22
	5.3 From Waste to Wealth (CO <sub>2</sub> ; E-waste; food waste; plastic waste...)	Yu, Steve Sheng-Fa	2020/4/29
<b>6</b>	<b>Sustainable Health - Tackle Disease by Chemistry</b>		
	6.1 Disease Detection and Diagnosis	Chen, Yu-Ju	2020/5/6
	6.2 Drug Development	Li, Wen-Shan	2020/5/13
	<b>Time Conflict</b>	<b>No Class</b>	<b>2020/5/20</b>
	6.3 Aging and Cancer	Huang, Joseph Jen-Tse	2020/5/27
	6.4 Exploring Disease Mechanism Emergent	Huang, Joseph Jen-Tse	2020/6/3
	6.5 nanomedicine & diagnostic platforms	Tu, Hsiung-Lin	2020/6/10
<b>7</b>	<b>Information Sharing</b>	Chao, Ito	2020/6/17
	<b>*** Semester Report Deadline ***</b>	<b>No Class</b>	<b>2020/6/30</b>