

國立臺灣科技大學化工系 110 學年度第二學期【專題討論】演講預定表

Undergraduate Seminar List – Spring 2022 (10:20 – 12:10, Room: IB-512) – English Program/EMI

FEB. 16, 2022

LEARNING PLAN / COURSE SCHEDULE				
Week	Date	Topic (演講題目)	Speaker (講者)	服務地點
01	Feb-17	Course Orientation/Introduction	Speaker: Dr. Alchris Woo Go (吳耀堂)	臺北
02	Feb-24	Chemical Engineering: Past, Present, and Future (Paradigms and Paradigm Shifts) 化學工程：過去、現在和未來（範式和範式轉變）	Speaker: Dr. Alchris Woo Go (吳耀堂)	臺北
03	Mar-03	Consolidated Bio-Processing for 2G Bioethanol Production 用於 2G 生物乙醇生產的綜合生物工藝	Speaker: Dr. Ian Dominic F. Tabañag Affiliation: Department of Science and Technology – Philippine Council for Industry, Energy, and Emerging Technology Research and Development.	菲律賓 (線上)
04	Mar-10	Value-added Fermented Foods and their Applications 增值發酵食品及其應用	Speaker: 鄭光成 教授 Prof. Kuan-Chen Cheng Affiliation: Institute of Food Science and Technology, National Taiwan University 國立臺灣大學食品科技研究所	臺北
05	Mar-17	Chemical Engineer's Journey from Academia to Industry: <i>Multi-cultural Work/Research Environment (Taiwan – Japan – Singapore)</i> 化學工程師從學術界到工業界的旅程：多元文化的工作/研究環境（台灣 - 日本 - 新加坡）	Speaker: 許培鈞 博士 Dr. Pei-Jing Shiu "Ricky" Sr. Product Engineer Affiliation: Micron Technology, Inc., Singapore	新加坡 or 基隆市
06	Mar-24	<i>Independent Research / Self-study</i>		
07	Mar-31	Supercritical Fluids as a Green Sustainable Solvent for Chemical Engineers 超臨界流體作為化學工程師的綠色可持續溶劑	Speaker: Dr. Ardila Hayu Tiwikrama Affiliation: National Taipei University of Technology (NTUT, Taipei Tech) 國立臺北科技大學	臺北
08	Apr-07	Technology Commercialization (技術商業化) <i>Title to be finalized and announced</i>	Speaker: 賴志遠 博士 Dr. James Lai Associate Professor Affiliation: National Taiwan University of Science and Technology (NTUST, Taiwan Tech) 材料科學與工程系 國立臺灣科技大學	臺北
09	Apr-14	Addressing Nutrient Deficiency Challenges in Plants through Molecular Biology: <i>The Role of Lipid Biosynthetic Gene</i> 通過分子生物學解決植物營養缺乏的挑戰：脂質生物合成基因的作用	Speaker: Dr. Artik Elisa Angkawijaya Affiliation: National Taiwan University of Science and Technology (NTUST, Taiwan Tech) 國立臺灣科技大學	臺北
10	Apr-21	<i>Independent Research / Self-study</i>		

11	Apr-28	Liquid phase adsorption: Equilibrium, Kinetics, and Thermodynamics – <i>Milestones and Opportunities</i> 液相吸附：平衡、動力學和熱力學-里程碑和機遇	Speaker: Dr. Shella Permatasari Santoso Affiliation: Widya Mandala Catholic University (WMCU)	印尼 (線上)
12	May-05	Bacterial cellulose production utilizing fermentation and its application in medical or food application 利用發酵生產細菌纖維素及其在醫藥或食品中的應用	Speaker: 林欣平 博士 Dr. Shin-Ping Lin Assistant Professor Affiliation: Research Center for Biomedical Devices, Taipei Medical University 臺北醫學大學醫器材研究中心	臺北
13	May-12	Special Topic 1: Essential Tools for Low Carbon Economy (<i>To be finalized</i>)	Student Presentation 1	臺北
14	May-19	Special Topic 2: Waste Management and Critical Raw Materials (<i>To be finalized</i>)	Student Presentation 2	臺北
15	May-26	Special Topic 3: Sustainable Energy: Design a Renewable Future (<i>To be finalized</i>)	Student Presentation 3	臺北
16	Jun-02	Final Exam Week		
17	Jun-09	Wrap-up / Final Remarks Final Submission of Portfolio (Compiled Reports)	Speaker: Dr. Alchris Woo Go (吳耀豐)	臺北
18	Jun-16	Optional		