

文藻外語大學105學年度第2學期教學綱要
Wenzao Ursuline University of Languages
Syllabus for the 2nd Semester of the 2017 Academic Year

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壹、課程基本資料

課程名稱 Course Title	科技產業與生活 TECHNOLOGY INDUSTRIES AND LIFE			
課程類別 (學制) School System	日間部四技 4-Year College of Day Division			
開課單位 Department	通識教育中心			
授課教師 Instructor	陳秋豪		職稱 Position Title	助理教授
師生互動 Instructor's Contact Information	辦公室 Office	General Education Center	辦公室電話 Office Phone Number	
	電子信箱 E-mail	chiuhaoc@gmail.com		
	約談時間 Office Hours	By Appointment		
學分 Credits	2.0學分	選課別 Category	<input checked="" type="checkbox"/> 必修 Required Course <input type="checkbox"/> 選修 Elective Course	
開課類別 Course Categories	<input type="checkbox"/> 學年課 For Academic Year <input checked="" type="checkbox"/> 學期課 For Academic Semester		開課年級 Year Taught: 3年級 授課班級 Class Taught: 日四技通識課程三	
課程概要 Course Description	<p>藉由本課程講授，讓學生能深入淺出了解整個台灣科技產業的發展及與生活息息相關的連結。課程主要涵蓋三大產業：光電及半導體業、資通產業與綠能產業。藉由基礎原理的講授，並簡介各類產業發展進程與概況，以及未來台灣產業發展的預測和產業供應鏈分析，使學生對生活中接觸到的科技產品能深入理解，讓學生畢業後能夠多一項就業技能與選擇。</p> <p>This course aims to give students the basic understanding of the technology industries in Taiwan and the close relationship with their daily life. Three major industries will be covered in the class: opto and semiconductor industries, information and communication industries, and green energy industries. Through the understanding of the basic theories, and the introduction and the progress of each different industries, combining the possible future development and supply chain analysis, make students understand deeper for the technology products in their daily life. This will provide students a special work skill and wider job opportunity after graduation.</p>			
課程目標 Course Objectives	<ol style="list-style-type: none"> 讓學生能夠對台灣科技產業有基礎的認識。 讓學生能夠了解到身邊所用的科技產品對生活的影響，並熟悉科技英文。 藉由了解科學基礎原理及台灣產業現況與未來發展趨勢，可以讓學生畢業後能夠多一項就業技能與選擇。 			

	<ol style="list-style-type: none"> To acknowledge the basic concepts of the technology industry in Taiwan. To understand the impact of the technical products on their daily life and learn the technical English of the technology industry. By understanding the basic scientific principles, the modern trend and the future of technology development, give students a special working skill and wider job opportunity after graduation.
評量方式與評分 比例分配 Evaluation Criteria	<ol style="list-style-type: none"> Attendance 10% Quiz 20% Midterm Exam 30% Feedback Report for seminar 10% Final paper report 15% and oral presentation 15% (Everyone has to turn in your own report, any copies from your group-mate is not allowed. Late reports will be taken 50 pts off.)
課堂要求 Course Requirements & Policies	<ol style="list-style-type: none"> Students are required to attend all the classes on time and abide by all the classroom regulations of the college. Any sort of leave should be made beforehand and sick leave should be made on the day, before class starts, with e-mail or phone call. The document should be signed along with a copy of prescription (or evidence signed by any relevant personnel) on the day when students return to school. Students are not allowed to take any makeup test for any absence; Students are not permitted to use cellular phone in class; Students are regarded "ABSENT" if they are late by 10 minutes, unless a prior arrangement has been made. There are no make-up tests. If students have more than 8 unexcused absences, their semester score will have 30 points deduction. Students are required to check their attendance status regularly and make any necessary correction within one week. Plagiarism is strictly prohibited. Assignment of plagiarism will be graded zero. Plagiarism will also be punished on the basis of school rules. Teaching content might be adjusted in order to maximise students' learnings.
教科書 Textbooks	<p>「請學生務必使用正版教科書」 Please respect copyright and use original text books.</p> <p>1、書名：All lecture notes will be available on E-learning 作者： 出版社： 出版年： ISBN： 是否自製教材：Y</p>
指定參考書目或 網址 References	<ol style="list-style-type: none"> 書名：生活科技 作者：陳仰賢 出版社：新文京 書名：自然科學與生活科技概論 作者：周秋香 出版社：心理 書名： 作者： 出版社： 書名： 作者： 出版社：
補充資料 Additional Remark	<p>1. Syllabus.pdf (請按右鍵另存新檔)</p>

貳、課程內容與進度 (Course Content & Schedule)

週次 Week	上課日期 Date	單元名稱 Units	授課方式 Instructional Approaches	作業、報告、考試 或其它 Assignments, Tests and Others	備註 Remarks
1	106/02/20 ~ 106/02/26	Introduction to the course	講授、討論與視聽 媒體輔助教學		
2	106/02/27 ~ 106/03/05	Introduction to Physics	講授、討論與視聽 媒體輔助教學		
3	106/03/06 ~ 106/03/12	Introduction to Physics	講授、討論與視聽 媒體輔助教學	In class quiz	
4	106/03/13 ~ 106/03/19	Introduction to Chemistry	講授、討論與視聽 媒體輔助教學		
5	106/03/20 ~ 106/03/26	Introduction to Chemistry	講授、討論與視聽 媒體輔助教學	In class quiz	
6	106/03/27 ~ 106/04/02	Introduction to Biology	講授、討論與視聽 媒體輔助教學		
7	106/04/03 ~ 106/04/09	Introduction to Biology	講授、討論與視聽 媒體輔助教學	In class quiz	
8	106/04/10 ~ 106/04/16	Review for the midterm exam	講授、討論與視聽 媒體輔助教學		
9	106/04/17 ~ 106/04/23	Midterm Exam		Exam	Paper-Based
10	106/04/24 ~ 106/04/30	Biotechnology and Applications	講授、討論與視聽 媒體輔助教學		
11	106/05/01 ~ 106/05/07	Seminar	講授、討論與視聽 媒體輔助教學	Feedback Report	
12	106/05/08 ~ 106/05/14	Biotechnology and Applications	講授、討論與視聽 媒體輔助教學		
13	106/05/15 ~ 106/05/21	Herbal products and Cosmetics	講授、討論與視聽 媒體輔助教學		
14	106/05/22 ~ 106/05/28	Nanotechnology and Applications	講授、討論與視聽 媒體輔助教學	In class quiz	
15	106/05/29 ~ 106/06/04	Nanotechnology and Applications	講授、討論與視聽 媒體輔助教學		
16	106/06/05 ~ 106/06/11	Environment and Technology	講授、討論與視聽 媒體輔助教學	In class quiz	
17	106/06/12	Final Presentation	講授、討論與視聽		

	~ 106/06/18		媒體輔助教學		
18	106/06/19 ~ 106/06/25	Final Presentation	講授、討論與視聽 媒體輔助教學		