

### English-taught Courses at National Changhua University of Education

Field	Course	Credit	Term	College	Department/ Graduate Institute	Level
Education	<u>Theories of Counseling and Psychotherapy</u> 諮商與心理治療理論	3	Spring	Education	Graduate Institute of Rehabilitation Counseling	Master
	<u>Group Counseling</u> 團體諮商	3	Spring			Master
	<u>Technical Reading, Writing and Research Topics in Social Sciences-English</u> 專業英文閱讀	2	Fall			Master
	<u>Program Evaluation and Professional Consultation in Rehabilitation Counseling</u> 復健諮商方案評鑑與專業諮詢	3	Fall			Master
	<u>Practice of Counseling &amp; Psychotherapy</u> 諮商與心理治療實務	3	Fall			Master
	<u>Internship (A/B)</u> 駐地實習	3	Fall/Spring			Master
	<u>Administration and Supervision of Rehabilitation Counseling</u> 復健諮商行政與督導	3	Spring			Master
Science & Engineering	<u>Display Device Physics</u> 顯示元件物理	3	Spring	Engineering	Mechatronics Engineering	Master/PhD
	<u>Numerical Analysis*</u> 數值分析	3	Fall/Spring			Undergrad./ Master/PhD
	<u>Modern Physics</u>	3	Spring			Undergrad.

	近代物理					
	Sensors and Digital Signal Processing 感測與數位訊號處理	3				
	Design and Application of CMOS-MEMS CMOS 微機電系統設計與應用	3				
	<u>Principles of Electro-Optical Engineering</u> 光電工程學	3		Engineering	Electrical Engineering	
	<u>Research I</u> 專題研討(上)	2	Fall			Master
	<u>Research II</u> 專題研討(下)	2	Spring			Master
	<u>Optics</u> 光學	3	Spring	Engineering	Electronic Engineering	Undergrad.
	<u>Principles of Digital Communications</u> 數位通訊概論	3	Spring			Undergrad.
	<u>Microwave Integrated Circuit Design</u> 微波積體電路設計	3	Spring	Engineering	Graduate Institute of Communications Engineering	Master
	<u>Microwave Filter Design</u> 微波濾波器設計	3	Spring			Master
	<u>Seminar I</u> 書報討論(一)	1	Fall			Master
	<u>Programmable Logic Design</u> 可程式邏輯設計	3	Spring	Engineering	Computer Science and Information Engineering	Undergrad.
	FPGA Design 可程式晶片設計	3				
	<u>Network Protocols and Performance Evaluation</u>	3	Spring			Undergrad./

	網路通訊協定與效能分析					Master
	<u>Neural Networks</u> 類神經網路	3	Spring			Master
	<u>Fast Prototype System Design</u> 快速雛型系統設計	3	Fall			Master
	<u>Plant Tissue Culture</u> 植物組織培養學	2	Spring	Science	Biology	Undergrad.
	<u>Plant Tissue Culture Laboratory</u> 植物組織培養學實驗	1	Spring			Undergrad.
	<u>Special Topics on Thermoelectric (1)</u> 熱電物理特論(一)	3	Fall	Science	Physics	Master/PhD
	<u>Special Topics in Thermoelectric (2)</u> 熱電物理特論(二)	3	Spring			Master/PhD
	<u>Solid State Physics (1)</u> 固態物理(一)	3	Fall			Master/PhD
	<u>Special Topics in Condensed – matter Physics</u> 凝態物理特論	3	Spring			Master/PhD
	<u>Liquid-Crystal Optics</u> 液晶光學	3	Spring			Master/PhD
	<u>Statistical Mechanics I</u> 統計力學(一)	3	Fall			Master/PhD
	<u>Statistical Mechanics 2</u> 統計力學(二)	3	Spring			Master/PhD
	<u>Electrodynamics</u> 電動力學(一)	3	Fall			Master/PhD
	<u>Electrodynamics 2</u>	3	Spring			Master/PhD

	電動力學(二)					
	<u>Principle of Fluorescence Spectroscopy</u> 螢光光譜學	3		Science	Chemistry	Master
	<u>Photochemistry</u> 光化學					Undergrad.
	<u>Organic Photochemistry</u> 有機光化學	3				Master
	<u>Organic Spectroscopy</u> 有機光譜分析	3	Spring			Undergrad/ Master
	<u>Medicinal Chemistry</u> 藥物化學	3	Fall			Master
	<u>Advanced Organic Chemistry</u> 高等有機化學	3				Master
	<u>Organic Synthesis</u> 有機合成	3	Fall			Master
	<u>Special Topics in Analytical Chemistry</u> 分析化學特論	3	Spring			Master
	<u>Bioanalysis Chemistry</u> 生物分析化學	3	Fall			Master
	<u>Inorganic Spectroscopic Chemistry</u> 無機光譜化學	3	Spring			Master
	<u>Group Theory</u> 群論	2	Spring			Undergrad./ Master
	<u>Organometallic Chemistry I</u> 有機金屬化學	2	Fall			Master

	Mechanism of Inorganic Reaction 無機反應機構					Master
	<u>Bioinorganic Chemistry</u> 生化無機	3				Master
	Advanced Inorganic Chemistry 高等無機化學					Master
	Coordination Chemistry 配位化學					Master
	<u>X-ray Crystallography I</u> X 射線結晶結構學(一)	3	Fall			Master
	<u>Chemical Research Techniques</u> 化學研究技術	3				Master
	<u>Design and Fabrication of Display Device</u> 顯示元件設計與製作	3	Fall	Science	Graduate Institute of Photonics	Master/PhD
	<u>Quantum Mechanics II</u> 量子力學(二)	3	Spring			PhD
	<u>Physical Optics</u> 物理光學	3	Fall			Master/PhD
<b>Business &amp; Management</b>	<u>Business Mathematics</u> 商用數學	3	Fall/Spring	Management	Accounting	Undergrad.
	<u>Financial Management*</u> 財務管理	3	Fall/Spring			Undergrad.
	<u>The Principle of Economics I*</u> 經濟學(一)	3	Fall			Undergrad.
	<u>The Principle of Economics II*</u> 經濟學(二)	3	Spring			Undergrad.

	<u>Seminar on Finance Cases</u> 財務個案研究	3	Spring			Master		
	<u>Research Methodology in Accounting Study</u> 會計研究方法	3	Fall/Spring			Master		
	<u>Introduction of Management*</u> 管理學	3	Fall/Spring			Undergrad.		
	<u>Seminar on Knowledge Management</u> 知識管理研討	3	Fall/Spring			Master		
	<u>Seminar on Electronic Commerce</u> 電子商務研討	3	Fall			Master		
	Enterprise Resource Planning Case Study Seminar 企業資源規劃個案研討	3						
	Entrepreneurial Finance 創業與投資	3						
	Financial Account 財務會計	3						
	<u>Seminar on Financial Management</u> 財務管理研討	3	Fall			Master		
	<u>Business Mathematics</u> 商用數學	3	Fall/Spring			Undergrad.		
	<u>International Human Resource Management</u> 國際人力資源管理	3	Fall			Technology	Graduate Institute of Human Resource Management	Master
	<u>Human Resource Management*</u> 人力資源管理	3	Fall					Master
	<u>Organization Development</u> 組織發展	3	Spring					Master

	<u>Organization Theory and Management</u> 組織理論與管理	3	Fall			Master/PhD
	<u>Marketing Management*</u> 行銷管理	3	Fall			Master
	<u>Management Information System</u> 資訊管理	3	Spring			Master
	International Marketing Management 國際行銷管理	3				Master
	Management of Innovation 創新管理	3				
	<u>Business Communication</u> 商業溝通	3	Spring	Management	Finance	Undergrad.
	<u>Business Communication</u> 商業溝通	3	Fall			Master
	Knowledge Management 知識管理	3				
	<u>Principles of Management*</u> 管理學	3	Spring			Undergrad.
	<u>Marketing Management*</u> 行銷管理	3	Fall			
	<u>Production &amp; Operations Management</u> 生產與作業管理	3	Fall	Management	Business Administration	Undergrad.
	<u>Strategic Management</u> 策略管理	3	Fall			Master
	Management of Innovation 創新管理	3				

	<u>Strategic Management</u> 策略管理	3	Spring			Undergrad.
	<u>International Financial Management*</u> 國際財務管理	3	Fall/Spring			Undergrad.
	Service Operations Management 服務作業管理	3				
	Service Marketing 服務行銷	3				
	<u>Consumer Behavior</u> 消費者行為	3	Spring			Master
	Relationship Marketing 關係行銷	3				
	<u>International Marketing</u> 國際行銷	3	Spring			Master
	<u>Qualitative Research Method</u> 質性研究方法	3	Spring			Master
	<u>Presentation Skill</u> 商業簡報技巧	3	Spring			Master
	<u>Quantitative Methods</u> 數量方法	3	Spring			Master
	<u>American Government &amp; Institutions</u> 美國政府	3	Spring			Undergrad.
	<u>Research Writing</u> 研究寫作	3	Fall			Master
	<u>Service Marketing</u> 服務業行銷	3	Fall			Master



	<u>American History</u> 美國歷史	3	FALL			Undergrad.
	International Marketing Management 國際行銷管理	3				
Multi-culture	<u>Foreign Policy Analysis</u> 外交政策分析	2	Spring	Social Science and Physical Education	Public Affairs and Civic Education	Undergrad.
	<u>Comparative Citizenship Education</u> 比較公民教育	2	Spring			Undergrad.
	<u>Level 1 Chinese spoken language and oral expression</u> 基礎華語口語與表達	3	Fall/Spring	Language Center		
	<u>Level 2 Chinese Language and Culture</u> 初級文化華語	3	Fall/Spring			
	<u>Level 3 Chinese Language and Culture</u> 中級文化華語	3	Fall/Spring			
	<u>A Culture of Taiwan</u> 台灣文化	2	Spring	General Education		Undergrad.
	<u>Appreciation of Taiwan Literature</u> 台灣文學欣賞	2	Fall			Undergrad.
	Arts	<u>Children's Literature in English</u> 英文兒童文學	3	Fall	Arts	Graduate Institute of Children's English
<u>Studies in Anglo – American Children and Young Adult Literature</u> 英美兒童與青少年文學史研究		3	Fall	Master		
<u>Advanced English Writing I</u> 高級英文寫作(一)		1	Fall	Master		

	<u>Computer-Assisted Language Learning</u> 電腦輔助語言學習	3	Spring			Master
	<u>Studies in Newbury Medal YAL</u> 紐伯瑞青少年文學專題	3	Spring			Master
	<u>Advanced English Writing II</u> 高級英文寫作(二)	1	Fall/Spring			Master
	<u>English News Editing and Translating</u> 英語新聞編譯	2	Fall	Arts	Graduate Institute of Translation and Interpretation	Master
	<u>Pronunciation Practice II (A/B)*</u> 發音練習(二)B組	1	Spring	Arts	English	Undergrad.
	<u>Basic Listening &amp; Speaking Practice II (A/B) *</u> 基礎聽講練習(二)A組	1	Spring			Undergrad.
	<u>Basic Writing II</u> 基礎寫作(二)B組	2	Spring			Undergrad.
	<u>Seminar on ESP Instruction</u> 特殊目的英語教學專題討論	3	Spring			PhD
	<u>19<sup>th</sup>-Century British Novels</u> 十九世紀英國小說	3	Spring			Master/PhD
	<u>Bible Literature : the New Testament</u> 聖經文學:新約	2	Spring			Undergrad.
	<u>Intermediate Listening &amp; Speaking Practice II</u> 中級聽講練習(二)A組	1	Spring			Undergrad.
	<u>Intermediate Listening &amp; Speaking Practice II</u> 中級聽講練習(二)B組	1	Spring			Undergrad.
	<u>Intermediate Writing II</u>	2	Spring			Undergrad.

	中級寫作(二)B 組					
	英語課程發展	2	Spring			Undergrad.
	<u>Journalistic English</u> 新聞英文	2	Spring			Undergrad.
	<u>Spanish II</u> 西班牙文(二)	2	Spring			Undergrad.
	<u>English speech A</u> 英語演說 A 組	2	Spring			Undergrad.
	<u>English speech B</u> 英語演說 B 組	2	Spring			Undergrad.
	<u>Academic English Writing</u> 學術英文寫作 A 組	2	Spring			Undergrad.
	<u>Academic English Writing</u> 學術英文寫作 B 組	2	Spring			Undergrad.
	<u>Teaching English as a Second/Foreign Language II</u> 英語教學(二)	2	Spring			Undergrad.
	<u>English Teaching Practicum II</u> 英語科教學實習(二)	2	Spring			Undergrad.
	<u>English Teaching Application and Practice</u> 英語科教學應用與實作	2	Fall			Undergrad.
	<u>Introduction to Language Learning</u> 語言學習導論	3	Fall			Master
	<u>Methods &amp; Materials for English Teaching (I)</u> 英語科教材教法(一)	2	Fall			Undergrad.
	<u>Advanced English Writing II</u> 高級英文寫作(二)(語言組)	1	Spring			Master

	<u>Topics on Applied Linguistics</u> 應用語言學專題	3	Spring			Master
	<u>Second Language Acquisition</u> 第二語言習得	3	Spring			Master
	<u>Topics in English Teaching</u> 英語教學專題:寫作教學研究	3	Spring			Master
	<u>Anglo-American Literary Genres</u> 英美文類發展	3	Fall			Master
	<u>Seminar on ESP Instruction</u> 特殊目的英語教學專題討論	3	Spring			PhD
	<u>History of British English IV</u> 英國文學史(四)	2	Spring			Undergrad.
	<u>Spanish I</u> 西班牙文(一)	2	Fall			Undergrad.
	<u>English Conversation A</u> 英語會話 A 組	2	Fall			Undergrad.
	<u>English Conversation B</u> 英語會話 B 組	2	Fall			Undergrad.
	<u>Advanced Writing Practice A</u> 高級寫作練習 A 組	2	Fall			Undergrad.
	<u>Advanced Writing Practice B</u> 高級寫作練習 B 組	2	Fall			Undergrad.
	<u>Pronunciation Practice I (B)</u> 發音練習(一)B 組	1	Fall			Undergrad.
	<u>Pronunciation Practice I (A)</u> 發音練習(一)A 組	1	Fall			Undergrad.

	<u>Basic Listening &amp; Speaking Practice I (B)</u> 基礎聽講練習(一)B 組	1	Fall			Undergrad.
	<u>Basic Listening &amp; Speaking Practice I (A)</u> 基礎聽講練習(一)A 組	1	Fall			Undergrad.
	<u>Intermediate Listening &amp; Speaking Practice I (B)</u> 中級聽講練習(一)B 組	1	Fall			Undergrad.
	<u>Intermediate Listening &amp; Speaking Practice I (A)</u> 中級聽講練習(一)A 組	1	Fall			Undergrad.
	<u>English Phonetics</u> 英語語音學	3	Fall			Undergrad.
	<u>Intermediate Writing I (A)</u> 中級寫作(一)A 組	2	Fall			Undergrad.
	<u>Intermediate Writing I (B)</u> 中級寫作(一)B 組	2	Fall			Undergrad.
	<u>Research Method</u> 研究方法	2	Fall			Undergrad.
	<u>Discussion &amp; Debate A</u> 討論與辯論 A 組	2	Fall			Undergrad.
	<u>Discussion &amp; Debate B</u> 討論與辯論 B 組	2	Fall			Undergrad.
	<u>English Teaching Practicum I</u> 英語科教學實習(一)	2	Fall			Undergrad.
	<u>Bibliography &amp; Research Methods (Linguistics Section)</u> 書目學及研究方法(語言組)	3	Fall			Master

	<u>Bibliography &amp; Research Methods (Literature Section)</u> 書目學及研究方法(文學組)	3	Fall			Master
	<u>Culture Study</u> 文化研究	3	Fall			Master/PhD
	<u>Advanced Academic Writing</u> 高級學術論文寫作甲組	2	Fall			PhD
	<u>Topics in Language Teaching</u> 語言教學專題	3	Spring			PhD
	<u>British and American Literature Professional Core Course I</u> 英美文學核心專業課程(一)	3	Fall			PhD
	<u>Studies on Applied Linguistics</u> 應用語言學專題研究	3	Spring			PhD
	<u>British and American Literature Professional Core Course II</u> 英美文學核心專業課程(二)	3	Spring			PhD
	<u>Tourism English</u> 觀光英文	2	Spring			Undergrad.
	<u>Testing &amp; Evaluation in Language Education</u> 語言教學測驗與評量	3	Fall/Spring			Master/ Undergrad.
	<u>International Conference &amp; English Presentation</u> 國際會議與英文簡報	2	Spring			Undergrad.
	<u>English Dramas Produces and Performances</u> 戲劇製作與公演	2	Spring			Undergrad.
	<u>Methods &amp; Materials for English Teaching (II)</u> 英語科教材教法 (二)	2	Spring			Undergrad.

	<u>English Curriculum Development</u> 英語課程發展	2	Spring			Undergrad.
	<u>Advanced Research Methodology B</u> 高級研究方法	2	Fall			PhD
	<u>Advanced Research Methodology A</u> 高級研究方法	2	Fall			PhD
	<u>Topics in TEFL I</u> 英語教學專題(一)	3	Fall			Master
	<u>Topics in Reading Research</u> 閱讀專題研究	3	Fall			Master
	<u>Advanced English Writing I (Linguistics Section)</u> 高級英文寫作(一)(語言組)	1	Fall			Master
	<u>Consecutive Interpreting</u> 逐步口譯	2	Fall			Undergrad.
	<u>Guidance in Reading B</u> 閱讀指導 B 組	2	Fall			Undergrad.
	<u>Basic Writing I</u> 基礎寫作(一)A 組	2	Fall			Undergrad.
<b>English (required for all students)</b>	<u>English for Tourism</u> 旅遊英文	2	Fall/Spring	Advanced English (Minimum of 2 credits required)	Undergrad.	
	<u>Oral English Communication and Presentation</u> 英語口語溝通與表達	2	Fall/Spring		Undergrad.	
	<u>Advanced English Reading</u> 精進英文閱讀	2	Fall		Undergrad.	
	<u>English I*</u> 管院初級英文(一)	2	Fall	All Colleges	Undergrad.	

	<u>English I*</u> 理院中級英文(一)	2	Fall		Undergrad.
	<u>English I*</u> 文院高級英文(一)	2	Fall		Undergrad.
	<u>English II *</u> 管院初級英文(二)	2	Spring		Undergrad.
	<u>English II *</u> 理院中級英文(二)	2	Spring		Undergrad.
	<u>English II *</u> 文院高級英文(二)	2	Spring		Undergrad.

\* Please refer to your College/Department for more classes of the same subject.