

中臺科技大學大學部四年制日間部 114 學年度視光系入學課程標準表

Central Taiwan University of Science and Technology Undergraduate 4-Year Daytime Department of Optometry Program Curriculum Standards for the 114<sup>th</sup> Academic Year

1131031系課程委員會會議修訂通過  
1140212系課程委員會會議審議通過  
1140311院課程委員會會議審議通過  
1140319校課程委員會會議修訂通過

科目類別 Subject Category	科目名稱 Course	學分數 Credits	時數 Teaching hours	第一學年 1 <sup>st</sup> Academic Year				第二學年 2 <sup>nd</sup> Academic Year				第三學年 3 <sup>rd</sup> Academic Year				第四學年 4 <sup>th</sup> Academic Year				備註 Remark
				上 Last semester		下 Next semester		上 Last semester		下 Next semester		上 Last semester		下 Next semester		上 Last semester		下 Next semester		
				授課 Teaching	實習 Internship	授課 Teaching	實習 Internship	授課 Teaching	實習 Internship	授課 Teaching	實習 Internship	授課 Teaching	實習 Internship	授課 Teaching	實習 Internship	授課 Teaching	實習 Internship	授課 Teaching	實習 Internship	
核心素養 Core Competencies	中文閱讀與表達 Chinese Reading and Expressing	2	2	2																
	大一英文(一) Freshman English (I)	2	2	2																
	大一英文(二) Freshman English (II)	2	2		2															
	資訊科技與AI應用 Information Technology and AI Application	2	2	2															電腦課程 Computer Courses	
	<b>小計(1) Credits Subtotal (1)</b>	<b>8</b>	<b>8</b>	<b>6</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
體育 Physical Education	體育(一) Physical Education (I)	1	2	2																
	體育(二) Physical Education (II)	1	2		2															
	體育(三) Physical Education (III)	0	2			2														
	<b>小計(2) Credits Subtotal (2)</b>	<b>2</b>	<b>6</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
領域涵養 Domain-Specific Learning	領域涵養 Domain-specific Learning	16	16		8		4		4										人文、自然、社會、 博學至少各選修一門 humanities, natural sciences, social sciences, and cultivation of broad knowledge -with at least one elective course from each category	
	<b>小計(3) Credits Subtotal (3)</b>	<b>16</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
跨域學習 Interdisciplinary Learning	跨域學習 Interdisciplinary Learning	4	4				2		2											
	<b>小計(4) Credits Subtotal (4)</b>	<b>4</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>通識教養教育小計(一)=小計 General education subtotal (1) = subtotal (1)+(2)+(3)+(4)</b>		<b>30</b>	<b>34</b>	<b>8</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
核心基礎 Core Foundations	普通物理學 General Physics	2	2	2																
	視光學導論 Introduction to Optometry	2	2	2															定錨課程 Anchoring Course	
	普通物理學實驗 General Physics Experiment	1	2		2															
	普通生物學 General Biology	2	2		2															
	普通生物學實驗 General Biology Experiment	1	2			2														
	生物化學 Biochemistry	2	2			2														
	微生物學 Microbiology	2	2				2													
	幾何光學 Geometric Optics	2	2		2															
	幾何光學實驗 Geometrical Optics Experiment	1	2			2														
	視光英文 Optometric English	2	2								2									
	基礎視光藥理學 Basic pharmacology of Optometry	2	2									2								
<b>小計(5) Credits Subtotal (5)</b>	<b>19</b>	<b>22</b>	<b>4</b>	<b>2</b>	<b>4</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		
眼球解剖生理學(一) Ocular Anatomy and Physiology (I)	2	2	2																	

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				授課 Teac hing	實習 Inter nship	授課 Teac hing	實習 Inter nship	授課 Teac hing	實習 Inter nship	授課 Teac hing	實習 Inter nship	授課 Teac hing	實習 Inter nship	授課 Teac hing	實習 Inter nship	授課 Teac hing	實習 Inter nship	授課 Teac hing	實習 Inter nship							
專業 必修 Profes siona l Requi red Cours es	眼球解剖生理學實驗(一) Ocular Anatomy and Physiology Experiment (I)	1	2		2																					
	眼球解剖生理學(二) Anatomy and Physiology of Eyeball (II)	2	2			2																				
	眼球解剖生理學實驗(二) Ocular Anatomy and Physiology Experiment (II)	1	2				2																			
	鏡片光學 Lens Optics	2	2					2																		
	驗光學(一) Optometry (I)	2	2					2															AI 專業課程 AI Professional Courses			
	配鏡學(一) Ophthalmic Lens Dispensing (I)	2	2					2																		
	驗光學實驗(一) Optometry Experiment (I)	1	2						2															服務學習課程 Service Learning Courses		
	配鏡學實驗(一) Ophthalmic Lens Dispensing Experiment (I)	1	2						2																	
	驗光學(二) Optometry (II)	2	2							2														AI 專業課程 AI Professional Courses		
	配鏡學(二) Ophthalmic Lens Dispensing (II)	2	2							2																
	眼鏡光學 Ophthalmic Lens Optics	2	2								2															
	驗光學實驗(二) Optometry Experiment (II)	1	2									2														
	配鏡學實驗(二) Ophthalmic Lens Dispensing Experiment (II)	1	2										2													
	核心 專業 Core Profe ssion al Cours es	職業倫理與法規 Professional Ethics and Regulations	2	2											2									內含驗光人員法規，為 職業倫理與學術倫理課 程 Contains regulations for optometrists. It is a professional and academic ethics course		
		眼病理學 Ocular Pathology	2	2											2											
		雙眼驗光學 Binocular Optometry	2	2											2											
		隱形眼鏡學(一) Contact Lens (I)	2	2											2											
		視覺光學 Visual Optics	2	2											2											
		雙眼驗光學實驗 Binocular Optometry Experiment	1	2												2										
		隱形眼鏡學實驗(一) Contact Lens Experiment (I)	1	2												2										
		臨床視光學 Clinical Optometry	2	2													2									
		低視力學 Low Vision	2	2													2									
		隱形眼鏡學(二) Contact Lens (II)	2	2													2									
臨床視光學實驗 Clinical Optometry Experiment	1	2														2										
隱形眼鏡學實驗(二) Contact Lens Experiment (II)	1	2														2										
眼視光實習(一) Optometry Internship (I)	5	10																10					校外實習實習320小時 Off-Campus Internship Internship Duration: 320 hours			
眼視光實習(二) Optometry Internship (II)	5	10																	10				校外實習實習320小時 Off-Campus Internship Internship Duration: 320 hours			

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	視光學專題討論 Seminar in Optometry	2	2															2		
	低視力學專題討論 Seminar in Low Vision	2	2															2		
	隱形眼鏡專題討論 Seminar in Contact Lenses	2	2															2		
	視覺光學專題討論 Seminar in Visual Optics	2	2															2		
	眼球解剖生理學專題討論 Seminar in Anatomy and Physiology of Eyeball	2	2															2		
	<b>小計(6) Credits Subtotal (6)</b>	<b>62</b>	<b>82</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>6</b>	<b>4</b>	<b>6</b>	<b>4</b>	<b>10</b>	<b>4</b>	<b>6</b>	<b>4</b>	<b>0</b>	<b>20</b>	<b>10</b>	<b>0</b>	
	<b>專業必修小計(二)=小計(5)+(6) Professional Required Courses subtotal (2) = subtotal (5) + (6)</b>	<b>81</b>	<b>104</b>	<b>6</b>	<b>4</b>	<b>6</b>	<b>6</b>	<b>8</b>	<b>4</b>	<b>8</b>	<b>4</b>	<b>12</b>	<b>4</b>	<b>8</b>	<b>4</b>	<b>0</b>	<b>20</b>	<b>10</b>	<b>0</b>	
	<b>必修合計(A)=小計(一)+(二) Required Courses total (A) = subtotal (1) + (2)</b>	<b>111</b>	<b>138</b>	<b>14</b>	<b>4</b>	<b>18</b>	<b>6</b>	<b>16</b>	<b>4</b>	<b>14</b>	<b>4</b>	<b>12</b>	<b>4</b>	<b>8</b>	<b>4</b>	<b>0</b>	<b>20</b>	<b>10</b>	<b>0</b>	
專業選修 Profession al Electives Courses	門市管理 Store Operation Management	2	2	2																跨域學習 Interdisciplinary Learning
	普通化學 General Chemistry	2	2			2														銜接生物化學 Bridging Biochemistry Course
	生物統計 Biostatistics	2	2					2												
	視覺知覺概論 Introduction to Visual Perception	2	2					2												
	鏡片材料與鍍膜 Ophthalmic Lens Materials and Coating	2	2					2												
	公共衛生學 Public Health	2	2							2										
	環境視覺學 Environmental Vision	2	2							2										
	視光健康照護概論 Introduction to Optometric Health Care	2	2							2										跨域學習 Interdisciplinary Learning
	視覺輔具設計與製作 Design and Manufacture of Visual Aids	2	2							2										
	基礎視覺色彩學 Basic Visual Color Science	2	2							2										
	視光儀器學概論 Introduction to Optometry Instruments	2	2									2								簡介系專業儀器 Introduction to the professional instruments of this department
	免疫學 Immunology	2	2									2								
	視覺科學 Visual Science	2	2									2								
	視覺光學設計概論 Introduction to Visual Optics Design	2	2											2						
	臨床視覺光學與屈光實務 Clinical Visual Optics and Refraction Practice	2	2											2						
	眼鏡門市空間設計與裝潢 Optical Retail Interior Design and Renovation	2	2															2		
視光流行病學 Epidemiology of Optometry	2	2															2			
視光遺傳學 Optometric Genetics	2	2															2			
<b>小計(7) Credits Subtotal (7)</b>	<b>36</b>	<b>36</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>0</b>		

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				授課 Teaching	實習 Internship	授課 Teaching	實習 Internship	授課 Teaching	實習 Internship	授課 Teaching	實習 Internship	授課 Teaching	實習 Internship	授課 Teaching	實習 Internship	授課 Teaching	實習 Internship	授課 Teaching	實習 Internship	
<b>選修合計(B)</b> Total Electives Courses(B)		36	36	2	0	2	0	6	0	10	0	6	0	4	0	0	0	6	0	
<b>開課合計=必修(A)+選修(B)</b> Total number of courses started = Required Courses (A) + Electives Courses (B)		147	174	16	4	20	6	22	4	24	4	18	4	12	4	0	20	16	0	

**畢業規定及其他相關說明：**

**Graduation Requirements and Other Relevant Instructions :**

一	最低畢業學分為 128 學分，必修 111 學分【含核心素養8學分、體育2學分、領域涵養16學分(人文、自然、社會、博學至少各選修一門)、跨域學習4學分、專業必修81學分】，選修至少17學分(系專業選修至少10學分)。 The minimum graduation requirement is 128 credits, including mandatory 111 credits [comprising 8 credits for core competencies, 2 credits for physical education, 16 credits for domain enrichment (including humanities, natural sciences, social sciences, and cultivation of broad knowledge -with at least one elective course from each category), 4 credits for interdisciplinary learning, and mandatory professional 81 credits]. Elective credits must be at least 17 credits (departmental professional electives: at least 10 credits).
二	畢業前需取得本校「資訊能力」畢業資格審定暨實施要點所列之資訊相關證照，始得畢業。 Before graduation, students must obtain the qualifications as stipulated in the "Regulations for the Assessment and Implementation of Information Literacy Graduation Qualifications" of our university, which includes obtaining the information-related certifications listed therein, in order to graduate.
三	有關英文畢業門檻之相關規定，依照「中臺科技大學大學部英(日)文畢業門檻實施要點」之規定辦理。 The regulations regarding the graduation requirements for English proficiency are implemented in accordance with the "Implementation Guidelines for the English (Japanese) Graduation Thresholds for Undergraduate Programs at CTUST."
四	畢業前須修習健康科學院院定共同課程:生物統計「Biostatistics」2學分，需有修讀紀錄，始得畢業。 Prior to graduation, students must complete the core course "Biostatistics" designated by the College of Health Science, which is worth 2 credits. A transcript of this course is required for graduation.
五	在本校就學期間必須取得心肺復甦術(CPR)畢業門檻之相關規定，依照「中臺科技大學健康科學院心肺復甦術(CPR)證照畢業門檻實施要點」之相關規定辦理。 During the period of study, it is required to fulfill the graduation threshold for CPR in accordance with the 'Implementation Guidelines for Graduation Threshold of CPR Certification at the College of Health Science, Central Taiwan University of Science and Technology.'
六	依據衛福部「專門職業及技術人員高等暨普通考試驗光師及驗光生考試實習認定基準」，民國 111 年 8 月 1 日以後畢業者。其實習項目須包含：驗光所實習 8 週 (320小時)、眼科醫療機構實習 8 週 (320小時)。According to the Ministry of Health and Welfare's "Specialized Vocational and Technical Personnel Advanced and General Examination Optometrists and Optometry Students Examination Internship Certification Standards", those who graduated after August 1, 2022. The internship project must include: an 8-week internship (320 hours) in an optometry clinic and an 8-week internship (320 hours) in an ophthalmic medical institution.
七	修習「職業倫理與法規」課程之學生，需透過「臺灣學術倫理教育資源中心」網路教學平臺修習至少 6 小時課程並通過總測驗後，於該網站下載修課證明後，提交任課老師列入成績考核。To study the "Professional Ethics and Regulations" course, you need to take at least 6 hours of courses through the "Center for Taiwan Academic Research Ethics Education" online teaching platform and pass the final test. After downloading the course certificate from the website, submit the list of the instructor Enter the performance assessment.
八	大一新生於入學第一學期需修習銜接課程 (1學分/18學時)。 Freshmen in their first semester are required to take the "Transition Course"(1 credit/18 teaching hours).
九	外籍生於畢業前需修習「進階華語(一)」及「進階華語(二)」兩門課程。 Foreign students need to take two courses,"Advanced Chinese (I)" and "Advanced Chinese (II)" before graduation.
十	學生於前2年需修習「班級永續經營課程(一)、(二)、(三)、(四)」，「班級永續經營課程(一)、(二)」成績及格，可認列為「跨域學習」學分；「班級永續經營課程(三)、(四)」成績及格，可認列為「一般選修」學分。依規定學生需取得「班級永續經營課程(一)、(二)」之學分或取得「愛校服務認證」始得畢業。 Students need to take "Class Sustainable Management Course (I), (II), (III), and (IV)" in the first 2 years. Passing the "Class Sustainable Management Course (I), and (II)" will be recognized as "Interdisciplinary Learning" credits; passing the "Class Sustainable Management Course (III), and (IV)" can be recognized as "General Elective" credits. According to regulations, students must obtain credits for Class Sustainable Management Course (I), and (II)" or obtain the "Love School Service Certification" before they can graduate.