

109-2通識教育中心開設全英通識課程								
Course Code	Course Title	Educational System	Course type	Year	Course time	Instructor	Learning Goals	Content Synopsis
1500	跨科技整合與應用 INTERDISCIPLINARY TECHNOLOGIES AND APPLICATIONS	4-Year College of Day Division	Semester course	3	(五)1-2 Q406	章之平	<p>1.Build up some basic knowledge of biology, chemistry, and physics.</p> <p>2.Identify what interdisciplinary researches are and their applications.</p> <p>3.Know how interdisciplinary technologies can solve the complex problems and affect our societies.</p> <p>4.Discuss the pros and cons of the interdisciplinary technology.</p> <p>5.Enhance students' abilities and raise their interests to read technology-related reports.</p> <p>6.Develop fundamental science-knowledge to live in modern society.</p> <p>7.Promote students' competencies for getting jobs.</p>	Nowadays, it requires researches or activities which combine two or more academic disciplines to solve the complex problems that we face today. In recent years, this type of work is called an interdisciplinary approach and one of the hottest scientific methods. The epidemiological diseases or global warming need to integrate and connect diverse disciplines, for instance, biology, chemistry, geography, and physics to investigate these extremely complex issues. Many modern technologies, such as nanotechnology, electro-optical science, biomaterials science, and green technology, are categorized as interdisciplinarity. In this course, many currently emerging technologies will be covered, including 3D printing, nanotechnology, display technology, medical therapies, technology of data storages, and biochips technology, etc. Moreover, a field trip to visit Pingtung Biotechnology Park will be arranged to help students gain more information and understanding for the development of the Taiwanese industry.
1503	童年探索：文化、歷史與記憶 THE EXPLORATION OF CHILDHOOD: CULTURE, HISTORY AND MEMORY	5-Year College of Day Division	Semester course	3	(三)6-7 F202	張勤瑩	<p>1.Practice reflective and critical thinking about the important issues regarding children from past to present.</p> <p>2.Develop their ability to discuss with groups how children experience their life and how the adult world realizes them through historical contexts and artefacts.</p> <p>3.Improve their writing and oral skills, which are demonstrated through the required assignments and presentations that engage students with historical literature and relevant research works on childhood.</p>	The purpose of this course is to serve students with a base of knowledge regarding the “shaping” of childhood, which was influenced by various factors such as the family, society and time. Basically, childhood is generally accepted as a “natural” and “unchanging” stage in life. However, historical studies have proven to us that the meanings and experiences of childhood are constructed in different cultural contexts around the world. Hence, this course explores how culture, history, memory, class, gender, religion, food and geographic location have created unequal access to the shaping of childhood in diverse historical contexts.