

國立台灣科技大學 114學年 第2學期 課程大綱

Spring 2026 NTUST Course Outline

授課教師：金台齡

Instructor: Tai-Lin Chin

課程名稱：計算機網路

Course Title : Computer Networks

2026/5/6

<p>課程代號： CS5008701 Course Code</p> <p>學分數： 3 Credits</p>	<p>必選修：選修/半學年 Required/Elective: Elective/Half Yr.</p> <p>先修課程： Prerequisites</p>
<p>節次教室： W2(T4-302) W3(T4-302) W4(T4-302) Time/Location</p>	
<p>專業核心能力： Core Professional Competencies</p>	
<p>課程網址： Course Website</p>	
<p>課程宗旨： 應用、架構、開放式系統連線參考模式和實例、通信網路技術、通信協定架構、網路互連、傳輸層協定 Course Objectives</p> <p>As computer networks become prevalent “tools” in our daily life, knowledge about the components of computer networks, how they are organized, and how they function and interact to provide services for end users are essential for computer engineering majors. In this course we provide an introductory coverage of a vast spectrum of computer networking technologies. Specifically, CS5008701 focuses on the operation and design of communication protocols used in different layers of both wide-area and local-area computer networks. Some selected research topics will also be covered. In addition, the course includes a number of programming assignments, in which students will use existing UNIX or Windows facilities, such as TCP/IP protocol suite, for implementation.</p>	
<p>課程大綱： 應用、架構、開放式系統連線參考模式和實例、通信網路技術、通信協定架構、網路互連、傳輸層協定 Outline of Lectures</p>	
<p>授課方式： 講授 Lecture：% Method of Instruction</p> <p>分組討論 Group discussion：%</p> <p>案例研討 Case study：%</p> <p>操做練習 Practical exercises：%</p> <p>講授 Lecture：%</p>	
<p>教科書： Textbooks</p>	
<p>參考書目： References</p>	
<p>修課須知： Notice</p>	
<p>評量方式： Grading</p>	

備註說明：
Notes