



## 教學計劃表 Syllabus

課程名稱(中文) Course Name in Chinese	計算機網路		學年/學期 Academic Year/Semester	112/2
課程名稱(英文) Course Name in English	Computer Networks			
科目代碼 Course Code	CSIEB0280	系級 Department & Year	學三	開課單位 Course-Offering Department
修別 Type	學程 Program	學分數/時間 Credit(s)/Hour(s)	3.0/3.0	
授課教師 Instructor	/陳旻秀			
先修課程 Prerequisite				
課程描述 Course Description				
This course offers a clear and a top down survey of the telecommunication network and computer network technologies field. It explores in detail the critical technical understand the routing, multicasting, multimedia network and security behind the network.				
課程目標 Course Objectives				
1. 計算機網路建構階層分析與探討 Study and discussion the architecture and technologies of computer network. 2. 讓同學瞭解網路市場最新產品 Study and discussion the new products of the computer network. 3. 培育網路工業研發人才 Cultivate talents for the engineers in computer network.				
系專業能力 Basic Learning Outcomes				課程目標與系專業能力相關性 Correlation between Course Objectives and Dept.'s Education Objectives
A	資訊專業終身學習能力 Ability of lifetime learning in information profession			●
B	實驗驗證資訊科學能力 Ability of validate experimental result validation in information science field			○
C	資訊工具整合運用能力 Ability of integrated applications of information technology			●
D	資訊系統應用設計開發能力 Ability of information application system design and development			○
E	團隊合作溝通協調能力 Ability of teamwork, communication, and coordination			●
F	資通訊科技問題解決能力 Ability of problem solving regarding information and communication technology			○
G	瞭解資訊科技多元影響能力 Ability to understand information technology's multiple influences			●
H	肩負資訊社會責任能力 Ability of bearing the social responsibilities being among information professionals			○
圖示說明 Illustration : ● 高度相關 Highly correlated ○ 中度相關 Moderately correlated				
授課進度表 Teaching Schedule & Content				
週次 Week	內容 Subject/Topics			備註 Remarks
1	Introduction of this course			

2	Chap 1	
3	Chap	
4	Chap	
5	Chap 2	
6	Chap 2	
7	Chap 3	
8	Chap 3	
9	期中考試週 Midterm Exam	
10	Chap 3	
11	Chap 3	
12	Chap 4	
13	Chap 4	
14	Chap	
15	Chap 5	
16	Chap	
17	Chap 5	
18	期末考試週 Final Exam	

教學策略 Teaching Strategies

- 課堂講授 Lecture
  分組討論 Group Discussion
  參觀實習 Field Trip  
 其他 Miscellaneous:

教學創新自評 Teaching Self-Evaluation

創新教學(Innovative Teaching)

- 問題導向學習(PBL)
  團體合作學習(TBL)
  解決導向學習(SBL)  
 翻轉教室 Flipped Classroom
  磨課師 Moocs

社會責任(Social Responsibility)

- 在地實踐 Community Practice
  產學合作 Industry-Academia Cooperation

跨域合作(Transdisciplinary Projects)

- 跨界教學 Transdisciplinary Teaching
  跨院系教學 Inter-collegiate Teaching

- 業師合授 Courses Co-taught with Industry Practitioners

其它 other:

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學期成績計算及多元評量方式 Grading & Assessments

配分項目 Items	配分比例 Percentage	多元評量方式 Assessments							
		測驗 會考	實作 觀察	口頭 發表	專題 研究	創作 展演	卷宗 評量	證照 檢定	其他
平時成績 General Performance	10%								
期中考成績 Midterm Exam	40%								
期末考成績 Final Exam	45%								
作業成績 Homework and/or Assignments	15%								
其他 Miscellaneous (_____)									

評量方式補充說明

Grading & Assessments Supplemental instructions

磨課師最後評量成績可取代期中或期末考分數

教科書與參考書目 (書名、作者、書局、代理商、說明)

Textbook & Other References (Title, Author, Publisher, Agents, Remarks, etc.)

Computer Networking: A Top Down Approach Featuring the Internet, 4rd edition. Jim Kurose, Keith Ross Addison-Wesley, July 2010.

課程教材網址(含線上教學資訊, 教師個人網址請列位於本校內之網址)

Teaching Aids & Teacher's Website(Including online teaching information.

Personal website can be listed here.)

<http://www.csie.ndhu.edu.tw/~mxchen/courses/101cn.html>

E學院

<http://mooc.nthu.edu.tw/sharecourse/course/view/courseInfo/55>

2015計算機網路概論Introduction to Computer Networks

其他補充說明 (Supplemental instructions)

配合教育部磨課師課程分享計畫

鼓勵學生選擇網路線上各類學習資源作為相關科目的課後學習輔助教材，並可將其最後檢驗成果納入該學分最後成績的計算內。

<http://mooc.nthu.edu.tw/sharecourse/course/view/courseInfo/55>

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