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②國玄東華大學

教學計劃表 Syllabus

		教学	产計劃表	Sylla	abus			
	名稱(中文) me in Chinese	網際網路通訊協	3定		學年/學期 Academic Year/Seme	ester	107/2	
	名稱(英文) me in English	Internet Proto						
	十目代碼 rse Code	系級 開課單位 CSIEB0390 Department 学三 Course-Offering Department			資	資訊工程學系		
	修別 Type	學程 Program	程 Program			0/3.0	/3.0	
	t課教師 structor	/黄振榮						
	上修課程 Tequisite							
		課	程描述 Course	e Descript	ion			
tools are a suites acco	all over Interne ording to the tr	t. This course additional class term, and some	provides an o sification of projects cove	overall de a network ering some	any real application scription on the Toprotocol stack. The Internet application	CP/IP pr nere are	otocol e 3 parts in	
		課	程目標 Cours	se Objecti	ves			
介紹網際網	路的通訊協定							
			工業能力 ning Outcomes			Corr	程目標與系專業能 力相關性 relation between urse Objectives and Dept.'s Education Objectives	
A 資訊專	本業終身學習能力Pro	ofound profession	nal knowledge ar	nd skills			•	
B 實驗縣	B 實驗驗證資訊科學能力Sound and free spirit; simple and generous quality						\bigcirc	
C 資訊工具整合運用能力Ability to appreciate beauty and think creatively							•	
D 資訊系統應用設計開發能力Sense of democracy, the rule of law, and civil responsibility						0		
E 團隊合作溝通協調能力Ability of communication, teamwork, and social practice					•			
F 資通部	資通訊科技問題解決能力Possess both domestic and global perspectives						•	
	G 瞭解資訊科技多元影響能力Knowledgeable and possess the quality of humanism							
H 房負資訊人社會責任能力Ability of verbal expression and information organization and application					\circ			
圖示說明I	llustration :	● 高度相關 Hi	ghly correla	ited 〇中	度相關 Moderately	corre	lated	
		授課進	度 表 Teaching	g Schedule	& Content			
週次Week		內容	Subject/Topio	cs		1	猫註Remarks	
1	Internet Applic	cations And Net	work Programm	ing				
2	2/28休假							
3	Traditional Int	ernet Applications						

4	Internetworking: Concepts, Architecture, And Protocols					
5	IP: Internet Addressing					
6	Datagram Forwarding					
7	春假					
8	UDP: Datagram Transport Service					
9	期中考試週 Midterm Exam					
10	TCP: Reliable Transport Service					
11	Internet Routing And Routing Protocols					
12	Network Performance (QoS And DiffServ)					
13	Multimedia And IP Telephony (VoIP)					
14	Network Management (SNMP)					
15	Software Defined Networking (SDN)					
16	The Internet Of Things					
17	Trends In Networking Technologies And Uses					
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						
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						
社會責任(Social Responsibility)						
在地實踐Community Practice						
一 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:						

	學期成績計算	算及多元	.評量方云	t Gradi	ng & As	sessmen	ts		
配分項目	配分比例	多元評量方式 Assessments							
Items	Percentage	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	30%		~						
期中考成績 Midterm Exam	35%	~							
期末考成績 Final Exam	35%	~							
作業成績 Homework and/or Assignments									
其他 Miscellaneous									

評量方式補充說明

Grading & Assessments Supplemental instructions

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.)

- 1. Douglas E. Comer, "Computer Networks and Internets, 6/E", 2014, ISBN-13: 978-0133587937
- 2. James F. Kurose , Keith W. Ross, "Computer Networking A Top-Down Approach-7ed" , 2016, ISBN-13: 978-0133594140
- 3. Alena Kabelová, Libor Dostálek, "A clear and comprehensive guide to TCP/IP protocols", 2006, ISBN-13:9780133587937
- 4. Craig Hunt, "TCP/IP Network Administration, 3rd Edition", 2002, ISBN: 0596002971
- 5. Behrouz A. Forouzan, "TCP IP Protocol Suite 4e", 2010, ISBN: 0070166781

課程教材網址(教師個人網址請列在本校內之網址)

Teaching Aids & Teacher's Website (Personal website can be listed here.)

其他補充說明	(Supplemental	instructions))
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