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## ②國玄東華大學

## 課 網 Course Outline

## 資訊工程學系國際組

中文課程名稱 Course Name in Chinese		機率					
英文課程名稱 Course Name in English		Probability					
科目代碼 Course Code		CSIEB0130	班 別 Degree	學士班 Bachelor's			
修別 Type		學程 Program	學分數 Credit(s)	3. 0	時 數 Hour(s)	3. 0	
先修課程 Prerequisite							
課程目標 Course Objectives							
The purpose aims at giving an understanding of probability and its applications in the area of electrical engineering.							
系教育目標 Dept.'s Education Objectives							
1	具備學科知識,養成專業技能 Acquire academic knowledge, develop professional skills						
2		思考,分析解決問題 innovative thinking, increase analytical problem solving ability					
3	培養團隊精神,學 Promote teamwork	學習溝通合作 ork spirit, encourage coordination and cooperation					
4	提昇專業倫理,承擔社會責任 Sublimate professional ethics, engage social responsibility						
5	涵育人文素養,開拓國際視野 Cultivate humanities, broaden global perspectives						
系專業能力 Basic Learning Outcomes					力相關性 Correlat between Objectiv Dept.'s	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				•		
В	實驗驗證資訊科學能力 Ability of validate experimental result validation in information science field				0		
С	資訊工具整合運用 Ability of integ	能力 crated applications of	information	technology		0	

D	資訊系統應用設計開發能力 Ability of information application system design and	0				
	development					
Е	團隊合作溝通協調能力					
	Ability of teamwork, communication, and coordination					
	資通訊科技問題解決能力					
F	Ability of problem solving regarding information and					
	communication technology					
	瞭解資訊科技多元影響能力					
G	Ability to understand information technology's multiple	0				
	influences					
	<b>局負資訊人社會責任能力</b>					
H	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						
課程大綱						
Course Outline						
1. Probability models in electrial engineering						
2. Basic concepts of probability theory						
3. Discrete random variables						
4. Continuous random variables						
5. Multiple random variables						
6. Functions of random variables and long-term averages						
資源需求評估(師資專長之聘任、儀器設備的配合···等)						
Resources Required (e.g. qualifications and expertise, instrument and equipment, etc.)						
ND 40 TE 15 4 14/ 69 1- 15 5 - 45/ 54						
課程要求和教學方式之建議 Course Paguirowents and Suggested Tooghing Mathods						
Course Requirements and Suggested Teaching Methods  The source sould be presented in a standard format of leatures.						
The course could be presented in a standard format of lectures, readings and problem sets.						
其他						
Miscellaneous						
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