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## ②國玄東華大學

# 教學計劃表 Syllabus

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課程名稱(中文) Course Name in Chinese	大數據決策支援資訊系統				學年/學期 Academic Year/Semester		
課程名稱(英文) Course Name in English	Big Data Decision Support Information System						
科目代碼 Course Code	BM84950	系級 Department & Year	博士	開課單位 Course-Offering Department	企業管理學系		
修別 Type	選修 Elective	學分數/時間 Credit(s)/Hour(s)		3	3.0/3.0		
授課教師 Instructor	/邱素文						
先修課程 Prerequisite							
锂钨性油 Course Description							

#### 課程描述 Course Description

Big-Data Decision Support Information System (BDSIS) focuses on reinforcement Learning and Big Data decision making science, AI-based topics of BDSIS.

## 課程目標 Course Objectives

因應Big-data電子化過程中的需求鏈型態、特色與功能,本課程旨在以數學規劃方法建立Big-data決策準則模型,並以最佳化分析進行決策支援系統設計。

	条專業能力 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	培育具備資訊管理相關理論與應用的知識Cultivate the knowledge of information management application	0
В	培育具備邏輯推演、問題解決與獨立研究的能力Cultivate the capability of logical deduction, problem solving and independent research	•
С	培養具備資訊專業知識與技能Cultivate the professional ability and skill regarding information	0
D	培養具備資訊科技與管理領域之知識整合應用能力Cultivate the integrated ability regarding information technology and management	•
Е	培養具備創新思維、領導智能與國際觀的能力Cultivate the ability regarding innovative thinking, leadership and international view	•

## 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 BDSIS	
2	Topics of Big data decision support information system (BDSIS)	
3	Topics of BDSIS: special issue (I)	
4	Topics of BDSIS: special issue (II)	
5	Topics of BDSIS: special issue (III)	
6	3/24: oral report-round #1	REQUIRED

7	3/31: Midterm exam	REQUIRED			
8	National holiday, no class				
9	Midterm week				
10	4/21: oral report-round #1 (cont'd)	REQUIRED			
11	4/28: oral report-round #1 (cont'd)	REQUIRED			
12	Topics on AI-based BDSIS (I)				
13	Topics on AI-based BDSIS (II)				
14	5/19: oral report-round #2	REQUIRED			
15	5/26: oral report-round #2 (cont'd)	REQUIRED			
16	6/02: oral report-round #2 (cont'd)	REQUIRED			
17	6/09: Final report due	REQUIRED			
18	Flexible study				
	教 學 策 略 Teaching Strategies				
✓ 課堂講授 Lecture					
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 Industy-Academia Cooperation					
跨域合作(Transdisciplinary Projects)					
一跨界教學Transdisciplinary Teaching    跨院系教學Inter-collegiate Teaching					
業師合授 Courses Co-taught with Industry Practitioners					
其它 other:					

學期成績計算及多元評量方式 Grading & Assessments									
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	10%		~	~					
期中考成績 Midterm Exam	30%	~		~					
期末考成績 Final Exam	30%	~		~	<b>~</b>				
作業成績 Homework and/or Assignments	30%		~	~					
其他 Miscellaneous									

評量方式補充說明

Grading & Assessments Supplemental instructions

Midterm exam, two rounds of oral reports by individual and your final report are all required.

## 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. Analytics, Data Science, & Artificial Intelligence: Systems for Decision Support (11版) 2020, Ramesh Sharda, Dursun Delen, Efraim Turban (華泰文化)
- 2. SCI / SSCI paper readings + lecture notes

## 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.)

see http://elearn4.ndhu.edu.tw/moodle

其他補充治明	(Sunnlemental	instructions)
40 1017H / 101171	COUDDICHEAL	THOU RULLIONS /