② 国立東華大學 教學計劃表 Syllabus

課程名稱(中文) Course Name in Chinese	大數據決策支援系統				學年/學期 Academic Year/Semester			
課程名稱(英文) Course Name in English	Big Data Decision Support System							
科目代碼 Course Code	MSF_10470	系級 Department & Year	學三	開課單位 Course-Offering Department	管理科學與財金國際學- 學位學程			
修別 Type	學程 Program	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								
	課	程描述 Cours	e Descr	iption				

課程目標

Big Data Decision Support System (BDSS) is an umbrella term that combines finance architectures, management tools, information databases, financial analytical tools, applications, and methodologies. Its major objective is to enable interactive access to business data, enable manipulation of these data in the field of finance and management science, and to provide business managers and analysts the ability to conduct appropriate analysis.

課程綱要

BDSS have major components: the data warehouse with source data in finance, business analytics including a collection of tools for financial data manipulating, data mining, and analyzing financial data in data warehouse, business performance management for monitoring and analyzing performance, and the user interface design. Data analytics in finance is the process of developing BDSS actionable decisions or recommendations for actions based upon insights generated from historical and business data. The purpose of this course is to let students having financial background understand how to look at all the data in BDSS and investigate what is happening about BDSS with close connection to finance and management science, what will happen, and how to make the right choice of BDSS at the right time.

課程目標 Course Objectives

Big Data Decision Support System (BDDSS) is an umbrella term that combines finance architectures, management tools, information databases, financial analytical tools, applications, and methodologies. Its major objective is to enable interactive access to real time data, enable manipulation of these data in the field of finance and management science, and to provide business managers and analysts the ability to conduct appropriate analysis.

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	overview for BDSS	
2	chap 1	
3	chap 1 (cont'd)	
4	Announce term project	
5	chap 9	
6	chap 9 (cont'd)	

7	chap 3	
8	10/28: Midterm examination: openbook: Chap 1,9	REQUIRED
9	Midterm Week	
10	chap 3 (cont'd)	
11	chap 8	
12	11/25: oral report and term project: track 1	REQUIRED
13	12/02: oral report and term project: track 2	REQUIRED
14	12/09: oral report and term project: track 3	REQUIRED
15	12/16: oral report and term project: track 4	REQUIRED
16	12/23: final examination: all chapters + VHWs + oral reports: open book	REQUIRED
17	Flexible study	
18	Final week	
	教 學 策 略 Teaching Strategies	
	授 Lecture 🔽 分組討論Group Discussion 🗌 參觀實習 scellaneous:	Field Trip
	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	學習(SBL)
1 翻轉教	室 Flipped Classroom	
社會責任(Social Responsibility)	
✓ 在地寶	踐Community Practice 產學合作 Industy-Academia Cooperat:	ion
跨域合作(Transdisciplinary Projects)	
	學Transdisciplinary Teaching	g
	授 Courses Co-taught with Industry Practitioners	
其它 othe	r:	

	T-1 1 41	章及多元評量方式 Grading & Assessments 多元評量方式 Assessments							
配分項目 Items	配分比例 Percentage	測驗 會考	實作 觀察	口頭 發表	邦第二章 東 現 研 究 日 第 目 日 第 日 第 日 第 日 第 日 第 日 第 日 第 日 日 日 日 日 日 日 日 日	創作 展演	志宗 評量	證照 檢定	其他
平時成績 General Performance	10%		~	~			~		
期中考成績 Midterm Exam	30%	\checkmark					~		
期末考成績 Final Exam	30%	~					~		
作業成績 Homework and/or Assignments	30%		~	~	~	~	~		
其他 Miscellaneous ()									
	Grading & A		量方式 ents Sup			ruction	s	<u> </u>	
10/28/24: midterm EXAM; 12 dates in advance.	2/23/24: final	EXAM;	11/25, 1	2/2, 12/	09, 12/1	6:oral 1	report;	Please m	nark ALL
Textbook & Ot	教科書與參考 her Reference							(s. etc.)	
Analytics, Data Science, & 作者: Ramesh Sharda, Durs	Artificial I	ntellig	ence: S	ystems	for Dec	_			
		s Websi		uding c	online t	eaching			
	甘仙沽	太	(Supple	ontal	instruct	tions)			
	开心袖。	7日初147	Couppier		i iisti uc	(10115)			