

銘傳大學社會科學院『大數據統計學分學程』課程架構表

Ming-Chuan University School of Social Science『Big Data Statistic Focused Course』Course Architecture

執行單位：應用統計與資料科學學系

Department : Department of Applied Statistics and Information Science

Course type	Course name	Total credits	Course Number	Notes
必修 required	抽樣方法 Sampling Methods	3	35203	ASIS
	實驗設計 Experimental Design	3	35303	
	統計套裝軟體 Statistical Software Packages	3	35208	
	應用統計計算及繪圖 Applied Statistical Computing and Graphing	3	35305	
	機率與統計 Probability and Statistics	3	36201	CSIE
	離散數學 Discrete Mathematics	3	36103	
	資料結構 Data Structures	3	36202/13202	CSIE /IM
	作業系統 Operating Systems	3	36301	CSIE
	統計學(一) Statistics I	3	35128/13111	IM/ASIS
	統計學(二) Statistics II	3	35129/13210	
	程式設計(一) Computer Programming I	3	13112/36101	IM/ CSIE
	統計資料庫 Statistical Databases	3	35306	ASIS
	資料庫系統 Database Systems	3	36304	CSIE
	資料庫管理 Special Topics on Database Management	3	13307	IM
	資料探勘 Data Mining	3	35431/36351/13936	ASIS/ CSIE /IM
	資料倉儲 Data Warehousing	3	13319	IM
	線性代數 Linear Algebra	3	35103/35106/36102	ASIS/ CSIE
管理數學 Managerial Mathematics	3	13203	IM	
選修 elective	應用統計程式設計 Applied Statistical Programming	3	35104	ASIS
	線性規劃 Linear Programming	3	35333	
	市場調查 Marketing Survey	3	35348	
	時間數列分析 Time Series Analysis	3	35435	
	應用多變量資料分析 Applied Multivariate Data Analysis	3	35307	
	應用模擬方法 Applied Simulation Methods	3	35338	CSIE
	資料倉儲系統規劃 Practical Data Warehouse System	3	36437	
	資料探勘實務分析 Data Mining Practice Analysis	3	36441	
	Java 程式設計 JAVA Programming	3	36237	
	XML 程式設計 XML Programming	3	36234	
	專案管理 Project Management (軟體專案管理 project management software)	3	13443(13286)	IM
	ERP 與運籌管理 ERP and Logistics Management	3	13976	
	網路規劃與管理 Network Planning and Management (企業網路技術 Enterprise Network Technologies)	3	13341(13988)	
作業研究 Operations Research	3	35334/13422	ASIS/IM	

Notes:

1. Student who attend this course architecture must complete 21 credits, include 12 required credits, and 9 elective credits, and also equal 6 credits which is not from your belongs department.
2. The elective courses in this course framework can be applied retroactively to students who entered from 2015 academic year.