

國立屏東大學 112學年度第1學期 教學課程綱要

※為保護智慧財產權，請勿非法影印教科書。

班別：國際資訊科技與應用碩士學位學程二年級(B課程學分數：3.00(3.00小時) IA210)

授課老師：張文智(301027)

必選修：選

開課序號	0289
科目名稱	大數據分析(FAB2211)
科目英文名稱	Big Data Analytics
授課語言	英語
主要教學型態	課堂教學
教學目標	1.Learn how to prepare data analysis 2.Learn how to use Power BI to visualize data 3.Learn how to tell a story from a visualized board
每週課程內容及教學方法	Week1. Discover data analysis Week2. Prepare data for analysis Week3. Get started with Power BI Week4. Get and transform data with Power BI Week5. Model data in Power BI Week6. Model data in Power BI Week7. Create and use analytics reports with Power BI Week8. Create and use analytics reports with Power BI Week9. Visualize data in Power BI Week10. Visualize data in Power BI Week11. Data analysis in Power BI Week12. Manage workspaces and datasets in Power BI Week13. Distribute Power BI insights Week14. Consume data with Power BI Week15. Govern data across an enterprise Week16. Build Power BI visuals and reports Week17. Use DAX in Power BI Desktop Week18. Model data with Power BI
核心能力	1. 培養理論與實務並重之資訊專業知識 35% 2. 整合系統開發、系統設計及實務應用能力 30% 3. 優質團隊合作、全球化思考及國際視野之能力 20% 4. 團隊領導與管理能力 5% 5. 獨立思考與研究能力 5% 6. 科技鑑賞與創新能力 5%
預期學習成果	1.Students can clean the raw data and prepared the data for analyzing 2.Students can apply Power BI to many kinds of data formats 3.Students can use Power BI to create visualize charts, tables, figures and maps

	4.Stduents can tell a story from a visualized board
與預期學習成果 搭配的多元評量	1.Presentation 10% 2.From data to answer question 30% 3.Assignment 50% 4.attendance 10%
主要讀本	Microsoft Learn Traning Website <a href="https://learn.microsoft.com/en-us/training/browse/?products=power-bi">https://learn.microsoft.com/en-us/training/browse/?products=power-bi</a>
參考書目	<a href="https://www.tableau.com/">https://www.tableau.com/</a> Tableau website Learning documents
其他事項	