

# 一百零六學年度第一學期資訊管理學系 博士班資格考試範圍

考試時間：

106 年 11 月 09 日(星期四)      資訊管理研究、高等研究方法  
高等數量方法

考試地點：商學院 260905 研討室

備註：請用原子筆，勿用鉛筆作答。

-----資訊管理研究-----

考試方式：A 卷 Closed Book

考試範圍：

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3. Bhattacharjee, A. (2001). Understanding information systems continuance: an expectation-confirmation model. *MIS Quarterly*, 25 (3), 351-370.
4. Bhattacharjee, A. and Premkumar, G. (2004). Understanding changes in belief and attitude toward information technology usage: a theoretical model and longitudinal test. *MIS Quarterly*, 28 (2), 229-254.
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6. Corbin, J. M., & Strauss, A. (1990). Grounded theory research: Procedures, canons, and evaluative criteria. *Qualitative Sociology*, 13(1), 3-21.
7. Davis, F.D., Bagozzi, R.P. and Warshaw, P.R. (1989). User acceptance of computer technology: a comparison of two theoretical models. *Management Science*, 35 (8), 982-1003.
8. DeLone, W. and McLean, E. (2003). The DeLone and McLean Model of information systems success: a ten-year update. *Journal of Management Information Systems*, 19 (4), 9-30.
9. DeSanctis, G., & Poole, M. S. (1994). Capturing the complexity in advanced technology use: Adaptive structuration theory. *Organization Science*, 5(2), 121-147.
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15. Karahanna, E., Straub, D.W. and Chervany, N.L. (1999). Information technology adoption across time: a cross-sectional comparison of pre-adoption and post-adoption beliefs. *MIS Quarterly*, 23 (2), 183-213.
16. Lewis, W., Agarwal, R. and Sambamurthy, V. (2003). Sources of influence on beliefs about information technology use: an empirical study of knowledge workers. *MIS Quarterly*, 27 (4), 657-678.

17. Li, E.Y. and Chen, H.G. (2001.1). Output-driven information system planning: A case study. *Information & Management*, 38 (3), 185-199.
18. Limayem, M., Hirt, S.G., and Cheung, M.K. (2007). How habit limits the predictive power of intention: the case of information systems continuance. *MIS Quarterly*, 31 (4), 705-737.
19. Malhotra, Y., Galletta, D.F. and Kirsch, L.J. (2008). How endogenous motivations influence user intentions: beyond the dichotomy of extrinsic and intrinsic user motivations. *Journal of Management Information Systems*, 25 (1), 267-299.
20. Markus, M. L., & Robey, D. (1988). Information technology and organizational change: causal structure in theory and research. *Management Science*, 34(5), 583-598.
21. Nahapiet, J. and Ghoshal, S. (1998). Social capital, intellectual capital, and the organizational advantage. *Academy of Management Review*, 23 (2), 242-266.
22. Oliver, R.L. (1980). A cognitive model of the antecedents and consequences of satisfaction decisions. *Journal of Marketing Research*, 17 (4), 460-469.
23. Orlikowski, W. J. (1993). CASE tools as organizational change: Investigating incremental and radical changes in systems development. *MIS Quarterly*, 27 (3), 309-340.
24. Pavlou, P.A. and Gefen, D. (2004). Building Effective Online marketplaces with institution-based trust. *Information Systems Research*, 15 (1), 37-59.
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28. Sutton, R. I., & Staw, B. M. (1995). What theory is not. *Administrative Science Quarterly*, 40 (3), 371-384.

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31. Wixom, B.H. and Todd, P.A. (2005). A theoretical integration of user satisfaction and technology acceptance. *Information Systems Research*, 16 (1), 85-102.
32. Yen, H.J.R., Li, E.Y. and Niehoff, B. (2008.9). Do organizational citizenship behaviors lead to information system success? testing the mediation effects of integration climate and project management. *Information & Management*, 45 (6), 394-402.

**考試方式： B 卷 Closed Book**

**考試範圍：**

以近三年「資訊管理研究」課程的授課範圍為原則，包括但不限於機器學習、資訊探勘、人工智慧、智能科技、服務科學、資訊計量以及金融科技等與資訊管理研究相關之議題。

-----高等研究方法-----

**考試方式：A 卷 Open book, but limited to the papers assigned plus five others**

**考試範圍：**

**命題範圍：**

測驗考生是否具有研讀重要英文文獻的能力，並且融會貫通，找出相關主題的研究缺口，以擬定可供進行實徵(實證)研究的研究模式，並論述研究模式的推導邏輯，以及敘述可行之研究方法。

文獻清單將在 09/15(星期五)通知考生，研究問題將在 10/07(星期六) 通知考生。請考生事先準備，於資格考筆試的兩小時內，充份論述所擬定的研究模式和研究方法(重點為前者，但兩者都需論述)。若考生認為公告的文獻清單不足，可以自行補充(以五篇為限)。

**筆試規則：**

1. 不能攜帶電子產品，但可攜帶所有的文獻資料(hard copies)，包括自行補充的文獻
2. 文獻資料可以有手寫的筆記，但不能有繕打的小抄
3. 手寫作答
4. 筆試結束時繳交問答卷和所有文獻資料。
5. 文獻資料會在一星期內退還。

**評分標準：**

1. 模式的創新性
2. 模式的合理性
3. 論述的邏輯性
4. 研究方法的可行性

**考試方式：B 卷 Open Book and Open Internet**

**考試範圍：**

1. Theory Building
2. MIS theory and research process
3. Research design
4. data collection and analysis

-----高等數量方法-----

考試方式：A 卷 Closed Book

考試範圍：

範圍大綱：

決策模型方法(Decision Modeling)

線性規劃、整數規劃及目標規劃(Linear Programming, Integer Programming, and Goal Programming)等

網路規劃及運輸問題(Network Flow Programming and Transportation Problem)等

非線性規劃及動態規劃(Non-linear Programming and Dynamic Programming) 等

基因演算及類神經網路(Genetic Algorithm and Artificial Neural Networks) 等

非確定性模型方法(Non-Deterministic Models)含等候模型(Queuing Models)、模擬模型(Simulation Models)、馬科夫分析(Markov Analysis)等

領域應用含存貨控制(Inventory Control)、專案管理 (Project Management) 等

CLOSED BOOK

參考書目

Render, Stair, Jr., Hanna, and Hale, Quantitative Analysis for Management, 12th ed., Pearson, 2015.

Hillier and Lieberman, Introduction to Operations Research, 10th ed., McGraw-Hill, 2015.

Taylor, Introduction to Management Science, 12th ed., Pearson, 2016.

Hillier and Hillier, Introduction to Management Science: A Modeling and Case Studies Approach With Spreadsheets, 5th ed., McGraw-Hill, 2014.

Taha, Operations Research: An Introduction, 9th ed., Prentice Hall, 2011.

Anderson, Sweeney, Williams, Camm, Cochran, Fry, Ohlmann, Quantitative Methods for Business, 13th ed., Cengage Learning, 2016.