

104 學年 Ph.D. Qualify Exam

(Subject: 資訊管理理論與應用)

Four hours, closed book

Traditional and emerging information systems topics that could benefit from evolutionary psychological theorizing including information systems development, technology-mediated learning, human-computer interface design, and use of virtual worlds to simulate and predict large-scale group behavior in catastrophic situation.

Based on the manuscript (p395-418, appendix A1-A12) and suggested theories (32) listed below to answer the following questions

Part I.

Please follow the three-step guides to theorize efforts, including identify a theoretic gap (10%), develop a new evolutionary theory (20%), and integrate the new theory with other non-evolutionary theories (20%)

Part II.

Based on the context of “Online Learning:”

- (1) Describe and compare media richness theory, media naturalness theory, and channel expansion theory (15%).
- (2) Discuss the implications of essential concepts proposed in the article that are appropriate for conducting online learning related studies (15%).
- (3) Suggest a study aiming for comparison of online and face-to-face learning by a mixed-method approach consisting of both qualitative and quantitative element (20%).