City University of Hong Kong
Course Syllabus

offered by Department of Information Systems
with effect from Semester A 2022 / 2023

Part I Course Overview

Course Title:	Integrative Research Studies in Information Systems
Course Code:	IS8012
Course Duration:	One Semester
Credit Units:	1
Level:	R8
Medium of Instruction:	English
Medium of Assessment:	English
Prerequisites: *(Course Code and Title)*	IS8010 Advanced Research Frameworks in Information Systems IS8011 Advanced Research Subjects in Information Systems
Precursors: *(Course Code and Title)*	Nil
Equivalent Courses: *(Course Code and Title)*	Nil
Exclusive Courses: *(Course Code and Title)*	Nil

Part II Course Details

1. Abstract

This is a short course that teaches students the integration between advanced research frameworks and research subjects. The course focuses on combining innovative research methods and topics, which are not normally covered in regular courses available at City University. By combining the advanced aspects of new frameworks and topics, the course seeks to develop highly innovative research capabilities. Students are expected to learn the subject matter and immediately apply it by means of the newly learnt methodologies, typically through the write-up of a research article or discussion paper.

2. Course Intended Learning Outcomes (CILOs)

No.	CILOs	Weighting	Discovery-enriched curriculum related learning outcomes (please tick where appropriate)		
			A1	*A2*	*A3*
1.	Explain emerging and contemporary IS research frameworks or methodologies and topics	20%			
2.	Describe approaches in integrating contemporary IS research frameworks or methodologies with specific IS research topics	20%			
3.	Discover, evaluate, and apply appropriate emerging frameworks or methodologies to solve IS research problem	30%	✓	✓	
4.	Develop comprehensive research article or discussion paper by integrating suitable contemporary IS research frameworks or methodologies	30%	✓	✓	
		100%			

A1: *Attitude*
Develop an attitude of discovery/innovation/creativity, as demonstrated by students possessing a strong sense of curiosity, asking questions actively, challenging assumptions or engaging in inquiry together with teachers.

A2: *Ability*
Develop the ability/skill needed to discover/innovate/create, as demonstrated by students possessing critical thinking skills to assess ideas, acquiring research skills, synthesizing knowledge across disciplines or applying academic knowledge to self-life problems.

A3: *Accomplishments*
Demonstrate accomplishment of discovery/innovation/creativity through producing /constructing creative works/new artefacts, effective solutions to real-life problems or new processes.

3. Teaching and Learning Activities (TLAs)

TLA	Brief Description	CILO No.				Hours/week (if applicable)
		1	2	3	4	
TLA1: Seminar	The following items form the content of the seminar: 1. Introduction of IS research and the role of theories 2. Overview of emerging topics, gaps and opportunities of IS research using a specific research framework or methodology. 3. Discuss approaches in integrating contemporary IS research frameworks or methodologies with specific IS research topics, covering topics such as theory building, measurement, sampling, research design, survey research, experimental research, qualitative research, quantitative research, etc. 4. Detailed examination and critique of some typical IS research work by integrating specific frameworks or methodologies for a specific IS topic. Participants are required to engage actively discussion sessions during each seminar.	✓	✓	✓	✓	

4. Assessment Tasks/Activities (ATs)

Assessment Tasks/Activities	CILO No.				Weighting	Remarks
	1	2	3	4		
Continuous Assessment: 100 %						
AT1. Discussion and Participation (30%): The seminar consists of exercises and small group discussions to assess students' understanding of the approaches in integrating contemporary IS research frameworks or methodologies with specific IS research topics..	✓	✓	✓	✓	30%	
AT2. Critical Analysis (30%): Each student is required to present a critical analysis in integrating specific framework or methodology with IS research topics which demonstrates his/her ability in understanding the specific framework or methodology, and apply it in a research context.	✓	✓	✓	✓	30%	
AT3. Paper Development (40%): Each student is required to develop a research article or discussion paper using the specific framework or methodology.	✓	✓	✓	✓	40%	
					100%	

5. Assessment Rubrics

Applicable to students admitted in Semester A 2022/23 and thereafter

Assessment Task	Criterion	Excellent (A+, A, A-)	Good (B+, B-)	Marginal (B-, C+, C)	Failure (F)
AT1 To AT3	Demonstrate the ability to explain emerging and contemporary IS research frameworks or methodologies and topics	High	Significant	Moderate	Not even reaching marginal levels
	Demonstrate the capability to Describe approaches in integrating contemporary IS research frameworks or methodologies with specific IS research topics	High	Significant	Moderate	Not even reaching marginal levels
	Demonstrate the ability to Discover, evaluate, and apply appropriate emerging frameworks or methodologies to solve IS research problem	High	Significant	Moderate	Not even reaching marginal levels
	Demonstrate the capability to Develop comprehensive research article or discussion paper by integrating suitable contemporary IS research frameworks or methodologies	High	Significant	Moderate	Not even reaching marginal levels

Applicable to students admitted before Semester A 2022/23

Assessment Task	**Criterion**	**Excellent (A+, A, A-)**	**Good (B+, B, B-)**	**Fair (C+, C, C-)**	**Marginal (D)**	**Failure (F)**
AT1 To AT3	Demonstrate the ability to explain emerging and contemporary IS research frameworks or methodologies and topics	High	Significant	Moderate	Basic	Not even reaching marginal levels
	Demonstrate the capability to Describe approaches in integrating contemporary IS research frameworks or methodologies with specific IS research topics	High	Significant	Moderate	Basic	Not even reaching marginal levels
	Demonstrate the ability to Discover, evaluate, and apply appropriate emerging frameworks or methodologies to solve IS research problem	High	Significant	Moderate	Basic	Not even reaching marginal levels
	Demonstrate the capability to Develop comprehensive research article or discussion paper by integrating suitable contemporary IS research frameworks or methodologies	High	Significant	Moderate	Basic	Not even reaching marginal levels

Part III Other Information

1. Keyword Syllabus

1. Introduction to IS Research: evolution and status of IS; nature and characteristics of IS research; research frameworks for IS; areas of current IS research; characteristics of good research.

2. The IS Research Process: identifying a research problem; theory building; measurement; research design; survey research; experimental research; case study research; qualitative research; data analysis; system development; ethical issues; developing research proposals; publishing research results.

3. Selected research work in IS: management support systems; information systems development; management and organizational aspects of information systems.

2. Reading List

2.1 Compulsory Readings

1.	Nil

2.2 Additional Readings

Dubin, R., "Theory Building in Applied Areas," in Dunnette, Marvin D. (ed.), *Handbook of Industrial and Organizational Psychology,* (Chicago, Ill.: Rand McNally College Pub. Co.,), pp. 17-39, 1976.

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Observation, Unobtrusive Measures," in *Handbook of Industrial and Organizational Psychology*, Rand McNally College Publishing Company, Chicago, Illinois, 1976, pp. 363-413.

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Simon, S.J, Grover, V., Teng, J.T, and Whitcomb, K, "The Relationship of Information System Training Methods and Cognitive Ability to End-User satisfaction, Comprehension and Skill Transfer: A Longitudinal Field Study," *Information Systems Research*, Vol. 7, No. 4, December 1996, pp. 466-490.

Biros, D.P., George, J.F., Zmud, R.W., "Inducing Sensitivity to Deception in Order to Improve Decision Making Perform: A Field Study," *MIS Quarterly;* Vol. 26, No, 2*,* 2002; 26, pp. 119 - 144.

Chang H.H., Wong K.H. "Adoption of e-Procurement and Participation of e-Marketplace on Firm Performance: Trust as a Moderator" ***Information & Management,*** Aug 2010. Vol 47, No. 5/6; p. 262-270.

Groover, Varun, "A Tutorial on Survey Research: From Constructs to Theory" see http://people.clemson.edu/~vgrover/survey/MIS-SUVY.html

Pinsonneault, A. and Kraemer, K. L., "Survey Research Methodology in Management Information Systems: An Assessment" Journal of Management Information Systems, Vol. 10, No. 2, 1993, pp. 75-105.

Barclay, D., Higgins, C., and Thompson, R., "The Partial Least Squares (PLS) Approach to Causal Modeling: Personal Computer Adoption and Use as an Illustration." *Technology Studies,* Vol. 2, No.2, 1995, pp. 285-309.

Andrew Burton-Jones. "Minimizing Method Bias Through Programmatic Research," *MIS Quarterly*, Vol. 33, No. 3, 2009, pp. 445-471.

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Systems Research," *European Journal of Information Systems*, 2011, 20, pp. 608–623.

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Banville, C. and Landry, M., "Can the Field of MIS be Disciplined", *Communications of the ACM*, January 1989, pp.48-61.

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Rosemann, M. and Vessey, I., "Toward Improving the Relevance of Information Systems Research to Practice: The Role of Applicability Checks," *MIS Quarterly,* Vol. 32, No. 1, 2008, pp. 1-22.