TE WHARE WĀNANGA O TE ŪPOKO O TE IKA A MĀUI

VICTORIA
UNIVERSITY OF WELLINGTON

School of Information Management

INFO 401: FOUNDATIONS OF INFORMATION SYSTEMS RESEARCH

Trimester 1, 2015

COURSE OUTLINE

Names and Contact Details

Course coordinator and lecturer	Dr Mary Tate
Location:	RH 504
Email:	mary.tate@vuw.ac.nz
Ph:	463 5265
Office hours:	by appointment

Trimester Dates
From Monday 2nd March to Friday 19 June

Withdrawal from Course
1. Your fees will be refunded if you withdraw from this course on or before Friday 13th March 2015.
2. The standard last date for withdrawal from this course is Friday 15th May. After this date, students forced to withdraw by circumstances beyond their control must apply for permission on an '*Application for Associate Dean's Permission to Withdraw Late*' including supporting documentation. The application form is available from either of the Faculty's Student Customer Service Desks or online.

Class Times and Room Numbers
Wednesday 9:30 – 12:20   Railway West Wing (RW127)

Expected Workload
3 hours per week attending classes
2-3 hours per week preparing for classes
5-6 hours a week (on average throughout the trimester including breaks) developing assessment items
Total 150 hours

Prescription
An overview of the main streams of research which contribute to the field of information systems. This course will provide students with the perspective needed to appreciate current and future trends in information systems research.

Course Learning Objectives
This course provides an overview of some of the main streams of research that have contributed to the development of information systems as an academic discipline. The course will provide students

with the perspective needed to appreciate current and future trends in information systems research. This course also builds skills that will assist students in developing the capability to carry out independent research in the fields of information systems and electronic commerce.

By the end of this course students will able to:
1. Understand some of the core "body of knowledge" in the information systems field (LG3).
2. Describe, integrate, and apply to research situations the findings of selected articles in designated thematic areas of Information Systems as listed in the course timetable (LG1).
3. Perform a thorough search for relevant Information Systems research in print media, CD-ROM, online databases, and Internet resources (LG2).
4. Evaluate academic articles including both research papers and surveys of others' research (LG2).
5. Write a concise, logical, and integrated review of academic literature, using appropriate style, language, citation, and referencing (LG1, LG4).
6. Present research-based knowledge and ideas clearly and persuasively (LG4, LG5).

Course Delivery
This is a face-to-face seminar-style course. Students are expected to attend all classes. We will do academic article reviews and discussion presented and led by students. Each week a sample question will be provided. Questions in the final test will be similar to these weekly questions. You are expected, as a minimum, to be thoroughly familiar with ALL the essential course readings, and to come to class ready to discuss topics related to these readings, regardless of whether they have been presented in class. The supplementary material on Blackboard is provided as a resource for your use.

Course Content
An indicative weekly schedule is on page 4.

Readings
There is no textbook. The schedule of readings on pages 5 & 6 will be available on Blackboard.

Materials and Equipment
None

Assessment

Course assessment will be based on:		Due Date
Article reviews, seminar leadership and discussion	20%	5:00 pm the previous day on Blackboard and by email to the course co-ordinator (ongoing, weekly)
Literature review outline/poster	10%	Friday 17 April 5:00 pm
Annotated bibliography	10%	Friday 17 April 5:00 pm
Literature review	30%	Friday 5 June 5:00 pm
End of term take-home test	30%	tba during weeks 13 or 14

The Assessment Handbook will apply to all VUW courses: see
http://www.victoria.ac.nz/documents/policy/staff-policy/assessment-handbook.pdf.

Penalties
In fairness to other students, assignment work submitted after the deadline will incur a 10% penalty for each actual day (prior to 9.30 am) late. In the event of bereavement or prolonged illness affecting your ability to meet the deadline, discuss your situation with the Course Co-ordinator. You must verify your claim, e.g., produce a medical certificate. In doing so, you consent to your supporting documentation being checked by the Course Co-ordinator. Extensions will only be granted under these conditions.

Important Notes:

- _No extension is possible based on a student's workload_. You are expected to manage your workload to ensure there is sufficient time to complete assessments as required.

- _You are expected to back up your work_ – From time to time files are lost, computers crash, etc., so it is critical that you get into the habit of backing up important files.

- _Do not leave submitting your work to the last minute_ – Technology problems do occur (especially on the day an assessment is due). Be smart and submit it in plenty of time. Extensions will not be granted due to problems with submitting work.

- _Working together_ – All assessments in this course are individual assessments, unless they are explicitly identified as group assessments. You are encouraged to discuss aspects of your individual assessments with others. However, when it is time to _develop your solution_, **the work must be ENTIRELY your own**. In this way, we will have _your_ perspective on the topic - not someone else's!

Use of Turnitin

Student work provided for assessment in this course may be checked for academic integrity by the electronic search engine http://www.turnitin.com. Turnitin is an on-line plagiarism prevention tool which compares submitted work with a very large database of existing material. At the discretion of the Head of School, handwritten work may be copy-typed by the School and submitted to Turnitin. A copy of submitted materials will be retained on behalf of the University for detection of future plagiarism, but access to the full text of submissions will not be made available to any other party.

Mandatory Course Requirements

None.

If you cannot complete an assignment or sit a test or examination, refer to
www.victoria.ac.nz/home/study/exams-and-assessments/aegrotat

Communication of Additional Information

Additional information will be announced in class, or communicated via Blackboard or email. Any or all of these methods may be used.

Student feedback

Student feedback on University courses may be found at
www.cad.vuw.ac.nz/feedback/feedback_display.php

Link to general information

For general information about course-related matters, go to
http://www.victoria.ac.nz/vbs/studenthelp/general-course-information

Note to Students

Your assessed work may also be used for quality assurance purposes, such as to assess the level of achievement of learning objectives as required for accreditation and academic audit. The findings may be used to inform changes aimed at improving the quality of VBS programmes. All material used for such processes will be treated as confidential, and the outcome will not affect your grade for the course.

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Indicative Schedule

Week	Date	Topic/Assessment
1	4 March	The IS Discipline: What is the body of knowledge for information systems? • *Course overview* • *In-class exercise: the IS discipline* • *In class exercise: Writing summaries and critiques of academic articles*
2	11 March	What is the relationship of the academic discipline of information systems to practice, and to other academic disciplines? • *Presentations and article critiques* • *In-class exercise: Research question workshop*
3	18 March	Metaphors for IS – conceptualizing real-world phenomena • *Presentations and article critiques* • *In class exercise: making a metaphor for information systems*
4	25 March	The Literature Review • *Presentations and article critiques* • *Discussion*
5	1 April	IS Sourcing • *Presentations and article critiques* • *Discussion* • *In-class exercise: Poster*
		Mid-term break **Due Friday 17 April:** Literature Review Outline, Poster and Annotated Bibliography
6	22 April	IT Project Management • *Presentations and article critiques* • *Discussion*
7	29 April	IS Success, Impact and Value • *Presentations and article critiques* • *Discussion*
8	6 May	User Acceptance • *Presentations and article critiques* • *Discussion*
9	13 May	Software services and service management • *Presentations and article critiques* • *Discussion*
10	20 May	Task Technology Fit • *Presentations and article critiques* • *Discussion*
11	27 May	The IS Discipline Reprised • *Presentations and article critiques* • *Discussion*
12	3 June	• *Wrap up – IS research and practice. The value and relevance of IS research* • *In-class exercise: My all-time favourite academic paper on an IS-related topic (from any source) and why* • *Break-up function* **Due Friday 5 June:** Literature Review
		• **Final test (tba in week 13 or 14)**

Schedule of Readings

Week 1

1) Keen, P. (1980). MIS research: Reference disciplines and a cumulative tradition. In E. McLean (Ed.), *Proceedings of the First International Conference on Information Systems* (pp. 9-18), Philadelphia, December 1980.

2) Weber, R. (1997), *Ontological Foundations of Information Systems*. Australia: Coopers & Lybrand.

3) Bacon, C.J., & Fitzgerald, B. (2001). A systematic framework for the field of information systems. *Data Base for Advances in Information Systems*, 32(2), 46-65.

4) Tate, M., & Hope, B. (2004). *The Importance of Service Branding in Multi-Channel E-commerce Success: Towards a research framework.* Paper presented at the Australasian Conference in Information Systems (ACIS), Hobart, Australia.

Week 2

5) Grover, V., Ayyagari, R., Gokhale, R., Lim, J., & Coffey, J. (2006). A citation analysis of the evolution and state of information systems within a constellation of reference disciplines. *Journal of the Association for Information Systems, 7*(5), 270-325.

6) Kappelman, L., McLean, E. R., Luftman, J., & Johnson, V. (2013). Key Issues of IT Organizations and Their Leadership: The 2013 SIM IT Trends Study. *MIS Quarterly Executive, 14*(4), 227-240.

7) R Robey, D., & Markus, M.L. (1998). Beyond rigor and relevance: Producing consumable research about information systems. *Information Resources Management Journal*, 11(1), 7-15.

Week 3

8) Gorry, G.A., & Scott-Morton, M.S. (1971). A framework for management information systems (SMR Classic Reprint). *Sloan Management Review*, *30*(3), 49-62.

9) Walsham, G. (1991). Organizational metaphors and information systems research. *European Journal of Information Systems, 1*(2), 83-94.

10) Kendall, J., & Kendall, K. (1993). Metaphors and Methodologies: Living Beyond the Systems Machine. *MIS Quarterly, 7*(2), 149-171.

Week 4

11) Sylvester, A., Tate, M., & Johnstone, D. (2011). Beyond synthesis: Re-presenting heterogeneous research literature. *Behaviour and Information Technology,*

12) Pare, G., Trudel, M.-C., Jaana, M., & Kitsiou, S. (2015). Synthesizing information systems knowledge: A typology of literature reviews. *Information and Management, 52*, 183–199.

13) Boell, S., & Cecez-Kecmanovic, D. (2014). On being 'systematic' in literature reviews in IS. *Journal of Information Technology*(10.1057/jit.2014.26), 1-13.

Week 5

Readings to be announced on Blackboard.

Week 6

14) Winter, M., Smith, C., Morris, P., & Cicmil, S. (2006). Directions for future research in project management: The main findings of a UK government-funded research network. *International Journal of Project Management, 24*, 638-649.

15) Cicmil, S., Williams, T., Thomas, J., & Hodgson, D. (2006). Rethinking Project Management: Researching the actuality of projects. *International Journal of Project Management, 24*, 675–686.

16) Fortune, J., & White, D. (2006). Framing of project critical success factors by a systems model. *International Journal of Project Management, 24*, 53–65.

Week 7

17) DeLone, W.H. & McLean, E.R. (2003). The DeLone and McLean model of information systems success: A ten-year update. *Journal of Management Information Systems*, *19*(4), 9-30.
   This paper is an extension of the highly cited 1992 paper:
   DeLone, W.H. & McLean, E.R. (1992). Information systems success: The quest
   for the dependent variable. *Information Systems Research, 3*(1), 60-95. [not included]

18) Gable, G., Sedara, D., & Chan, T. (2008). Reconceptualising Information Systems Success: The IS-Impact Measurement Model. *Journal of the Association for Information Systems, 9*(7), 377-408.

19) Tate, M., Sedera, D., McLean, E. R., & Burton-Jones, A. (2013). Information Systems Success Research: the "Twenty Year Update?" Panel Report from PACIS, 2011. *Communications of the Association for Information Systems, 34*(article 63), 1235-1246.

Week 8

20) Boonstra, A. (2003). Interpretive Perspectives on Acceptance of an Electronic Prescription System. *Journal of Information Technology Cases and Applications, 5*(2), 27-50.

21) Venkatesh, V., & Davis, F.D. (2000). A Theoretical Extension of the Technology Acceptance Model; Four Longitudinal Field Studies. Management Science 46(2), 186-20

22) Venkatesh, V., Morris, M.G., Davis, G.B., & Davis, F.D. (2003). User acceptance of information technology: Toward a unified view. MIS Quarterly, 27(3), 425-478

Week 9

23) Watson, R., Pitt, L., & Kavan, B. (1998). Measuring Information Systems Quality: Lessons from Two Longitudinal Case Studies. *MISQ, 22*(1), 61-79.

24) Tate, M., Furtmueller, E., Gable, G., & Gao, H. (2014). *Reconceptualizing Digital Service Quality: A Call-to-action and Research Approach.* Paper presented at the Pacific-Asia Conference on Information Systems (PACIS), Chengdu, China.

25) Edvardsson, B., Gustafsson, A., & Roos, I. (2005). Service portraits in service research: a critical review. *International Journal of Service Industry Management, 16*(1), 107-121.

26) Spohrer, J., & Maglio, P. (2008). The Emergence of Service Science: Toward Systematic Service Innovations to Accelerate Co-Creation of Value. *Production and Operations Management, 17*(3), 238–246.

Week 10

27) Goodhue, D.L., & Thompson, R.L. (1995). Task technology fit and individual performance *MIS Quarterly, 21*(2), 213-236.

28) Dishaw, M., & Strong, D. (1999). Extending the technology acceptance model with task-technology fit constructs. *Information and Management,* 36, 9-21.

29) Klopping, I., &McKinney, E. (2004). Extending the Technology Acceptance Model and the Task-Technology Fit Model to Consumer e-Commerce. *Information Technology, Learning and Performance Journal* 22(1), Pg 35

Week 11

30) Benbasat, I., & Zmud, R.W. (2003). The identity crisis within the IS discipline: Defining and communicating the disciplines core properties. *MIS Quarterly, 27*(2), 183-194

31) Lyytinen, K. & King, J. L. (2004). Nothing at the centre? Academic legitimacy in the Information Systems field *Journal of the Association for Information Systems, 5*(6), 220-264

32) Ghoshal, S. (2005) Bad management theories are destroying good management practices. *Academy of Management Learning and Education,* 4(1) 75-91