Course Announcement
Selected Issues in Information Systems I
“Management Information Systems”
Summer Term 2013

The course will be held in English by Prof. Dr. Rajendra K. Bandi from the Indian Institute of Management Bangalore. Teaching takes place May, 07-10, daily from 9.30 am to 4.00 pm in Seminarraum EG (Pohlighaus). Active participation at all times is mandatory for passing the course.

Course Objectives

The focus of this course is on information and information technology issues facing today’s managers. The course focuses on why organizations use information systems, how they are deployed for use, and the impacts of information systems.

The objectives of the course are:

- to gain a sophisticated awareness of the rich variety of managerial issues raised by information systems
- learn about the relationship between IT and business strategy and identify competitive issues related to IT

Course Approach & Outline

This class will be conducted in lecture and seminar format to encourage the exchange and synthesis of unstructured ideas. It is students’ responsibility to read the assigned materials. The course includes the following topics:

1. Relevance and Importance of IS
   - Introduction to Course
   - IT Interaction Framework
   - Does IT Matter?
2. IS and Strategic Relevance
   - IT and Strategy
   - Information Rules
   - IT & Organization
3. Organizing & Leading the IT function
   - Portfolio Approach to IS
4. IS Development / Implementation
   - Four Paradigms of IS Development
   - Power, Politics, and IS implementation
   - Software Runaways
5. Global IT issues: IT in International Business & Outsourcing
6. Social Impacts of Computing
   - Ethics & Systems Development
   - Workplace Monitoring, Privacy & other Ethical Issues
   - ICT for Development & Digital Divide

Course Material

There is no particular textbook for this course. Instead, the reading material primarily consists of several journal articles and other resources available on the internet. However the following books can be used as reference books.

Reference Books

- Managing Information Systems in Business, Government and Society, Rahul De, Wiley-India

Readings (indicative at this point)*

1. Relevance and Importance of IS
   - Computers, Networks, and the Corporation by T W Malone and J F Rockart, Scientific American, August 1991

2. IS and Strategic Relevance
   - Six IT Decisions Your IT People Shouldn’t Make, by Jeanne Ross and Peter Weill in Harvard Business Review, November, 2002
3. Organizing & Leading the IT function

- Don’t Just Lead, Govern: How Top-Performing Firms Govern IT by P. Weill, MIS Quarterly Executive, March 2004
- Designing Data Governance,” Khatri and Brown, Communications of the ACM, January 2010
- Clarifying the Ambiguous Role of the CIO by Joe Peppard, Chris Edwards, and Rob Lambert in MIS Quarterly Executive, March 2011
- The Emerging CIO Role of Business Technology Strategist, by Michelle Carter, Varun Grover, and Jason Bennett Thatcher in MIS Quarterly Executive, March 2003

4. IS Development / Implementation

- Four Paradigms of Information Systems Development by Rudy Hirschheim and Heinz Klein in Communications of the ACM, October 1989
- Software Runaways: Lessons Learned from Massive Software Project Failures by Robert L. Glass; Prentice Hall, 1998
- Project Retrospectives: Evaluating Project Success, Failure and Everything in Between by Ryan Nelson in MIS Quarterly Executive, December 2009

5. Global IT issues: IT in International Business & Outsourcing

- Life After IT Outsourcing: Lessons Learned from Resizing the IT Workforce by C Ranganathan and CN Outlay in MIS Quarterly Executive, September 2005
- Switching IT Outsourcing Suppliers: Enhancing Transition Readiness by SS Kien, LW Kiat, and KP Periasamy in MIS Quarterly Executive, March 2010
- The Myths and Realities of Information Technology Insourcing by R Hirschheim and M Lacity in Communications of the ACM, February 2000
- Funny Business: Public Opinion of Outsourcing and Offshoring as Reflected in U.S. and Indian Political Cartoons by M Lacity and PS Rudramuniyaiah, in Communications of the AIS, January 2009
6. Social Impacts of Computing
   • No Time to Think: Reflection on Information Technology and Contemplative Scholarship by David Levy in Ethics and Information Technology, Vol 9, 2007, pp. 237-249
   • Of course it’s True; I saw it on the internet by L Graham and P Takis Metaxas in Communications of the ACM, Vol. 46(5), May 2003
   • Business Process Design: Towards Service Based Green Information Systems by B Pernici, D Ardagna, C Cappiello in IFIP Volume 280, E-Government; ICT Professionalism and Competences; Service Science: A Mazzeo, R Bellini, G Molta (Boston Springer), pp. 195-203
   • An Ethical Review of Information Systems Development by S Rogerson, J Weckert, and C Simpson in Information Technology and People, Vol 13(2), 2000
   • E-Monitoring in the Workplace: Privacy, Legislation & Surveillance Software, by Nord et. al., Communications of the ACM August 2006

*Students may be required to read additional articles either to be provided by the instructor or available on the internet.

Assessment

The course will carry 100 points. Final grades will be based on the performance of the student in the following modules:

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<tr>
<th>Module</th>
<th>Points</th>
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<tr>
<td>Case analysis</td>
<td>40</td>
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<tr>
<td>White Paper</td>
<td>60</td>
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<td><strong>TOTAL</strong></td>
<td><strong>100</strong></td>
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**Case analysis:** All groups have to prepare for case discussion in the class and submit a written analysis of cases. The assessment will be based on identification of issues and clarity of presentation.

**White Paper:** Topics on current issues will be assigned for research. The paper is expected to be about 3000 words in length (about 10 pages). Details will be provided at the beginning of the course. White papers will be graded on the depth of research (40%), originality of arguments (40%), and clarity of writing (20%).

Until April 15, Students can apply via the following PDF:
http://www.systementwicklung.uni-koeln.de/fileadmin/News_Dateien/SIISI.pdf

The course is however limited to 20 students. In case of a higher number of applications, random selection will apply. Further information will be provided during the first teaching session. In case of any questions in advance, please contact Dr. Dirk Basten (basten@wiso.uni-koeln.de).